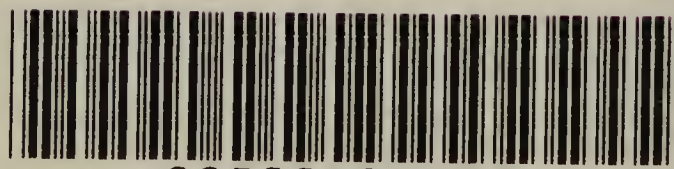


C. A. NEALE,



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ANNUAL REPORT

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FOR

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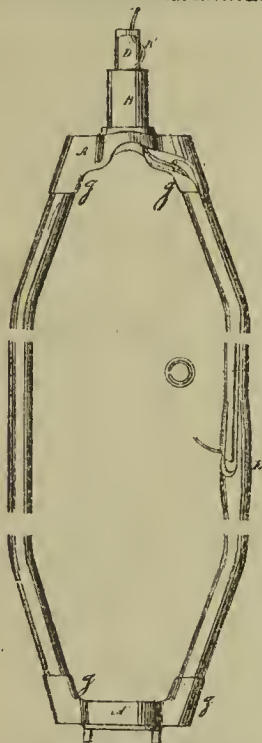
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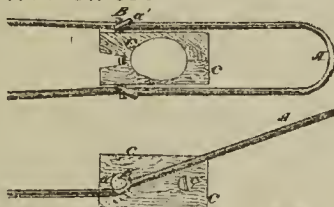
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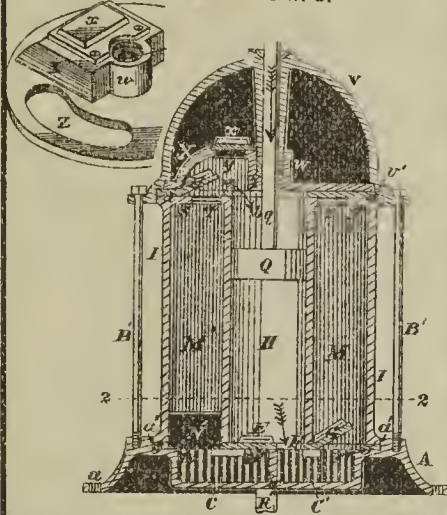
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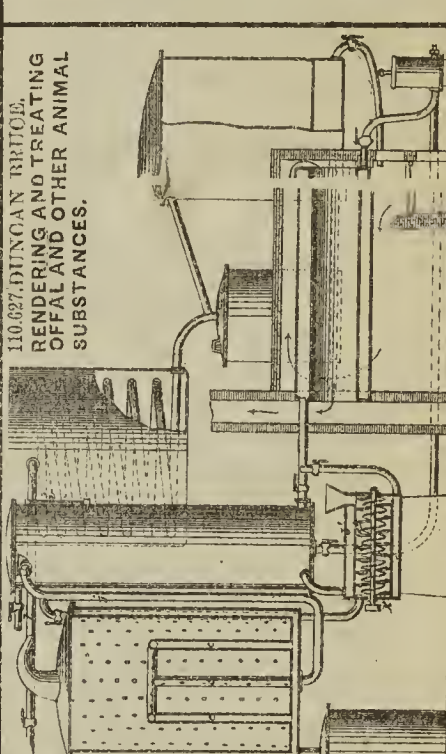
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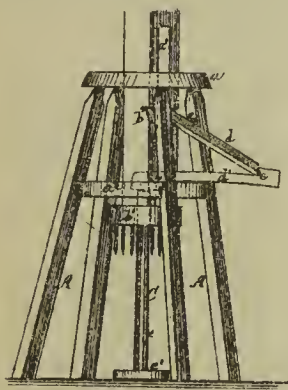
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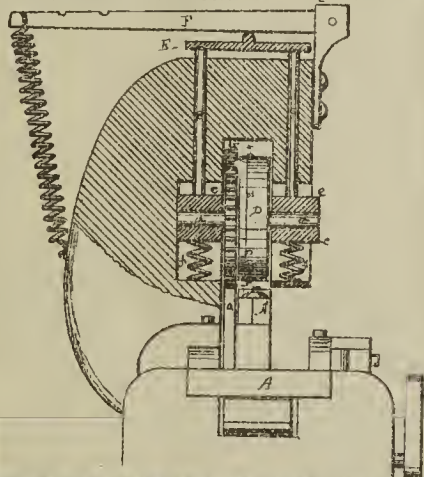
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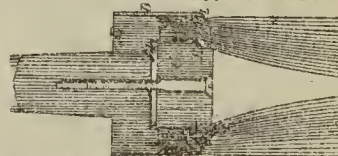
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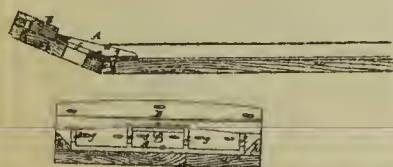
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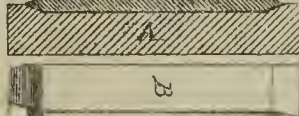
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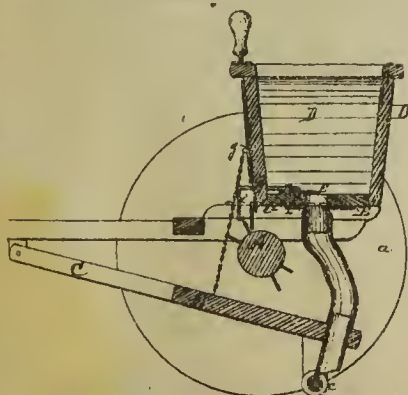


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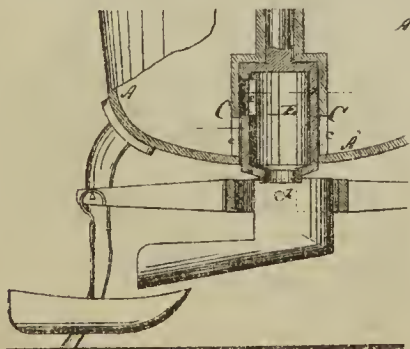


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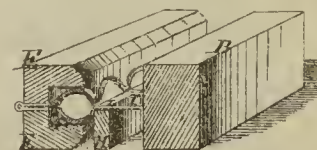
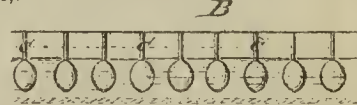
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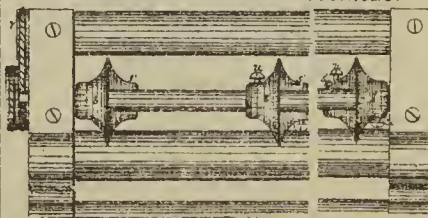
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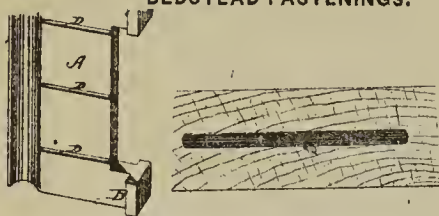
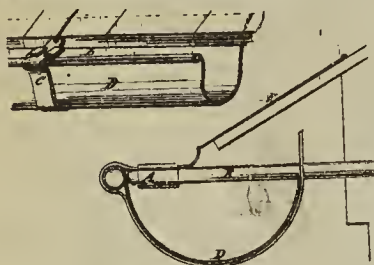
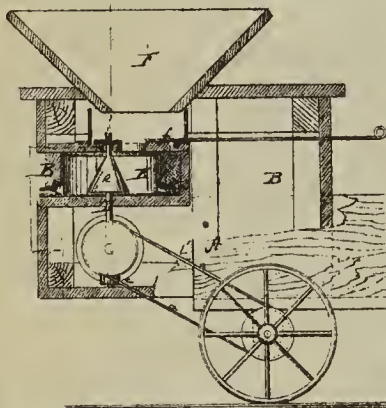
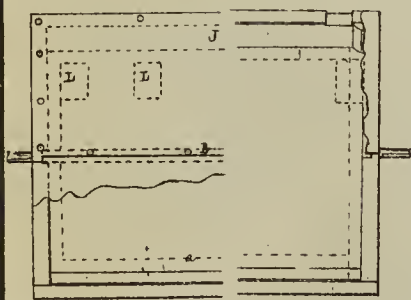
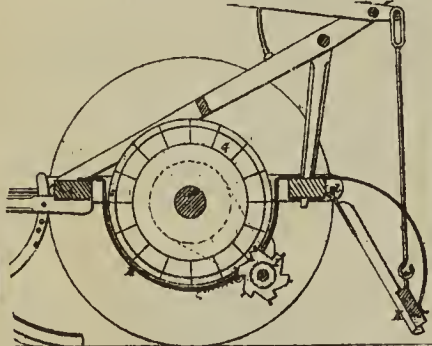
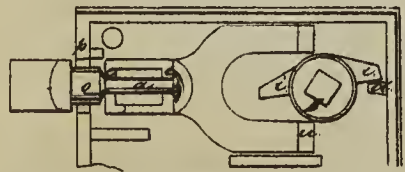
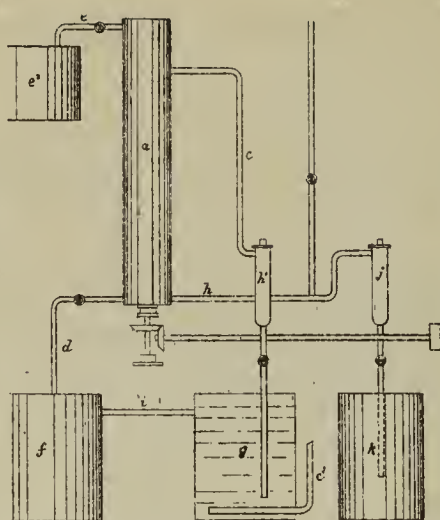
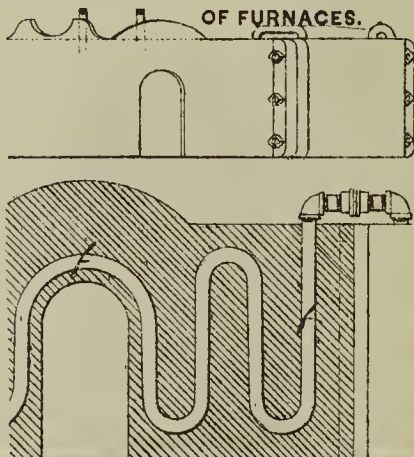


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110,630.

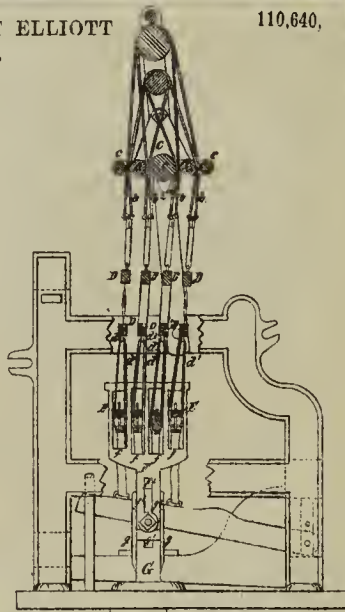


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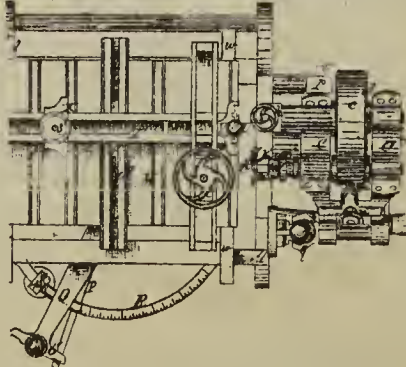
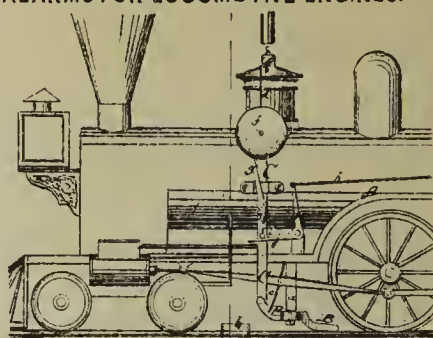
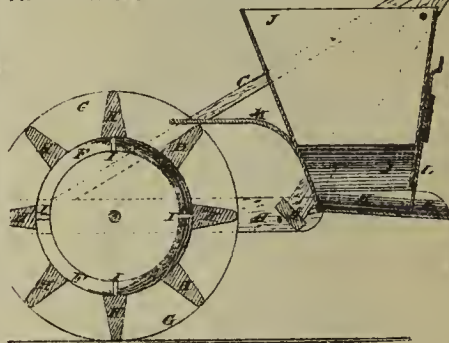
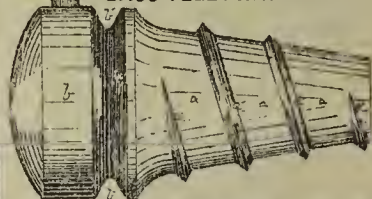


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BEDSTEAD-FASTENINGS.110,633, LEONARD COOK.
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SEEDING-MACHINES.110,635, ROBERT W. CUNNINGHAM.
FLOUR-BOLTS.110,636, NIMROD DONALDSON.
COTTON-PLANTERS AND
MANURE-DISTRIBUTERS.110,637, HEINRICH DOTZENROTH.
REVERSIBLE LATCHES.110,638, RICHARD EATON.
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LOOMS.

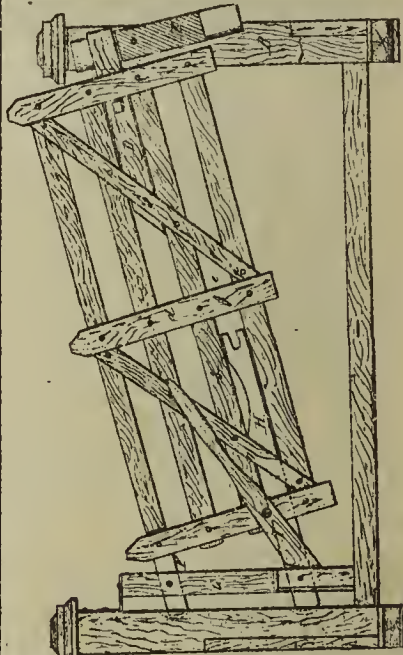
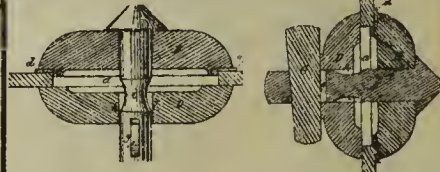
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110,641, WILLIAM ENNIS. VENTILATORS.

110,642, HARRY H. EVARTS.
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ALARMS FOR LOCOMOTIVE-ENGINES.110,644, LAFAYETTE GANTT.
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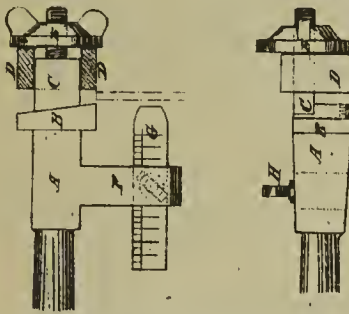
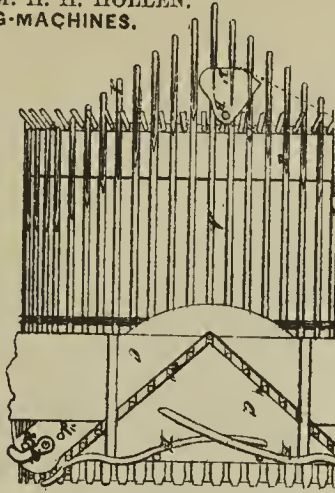
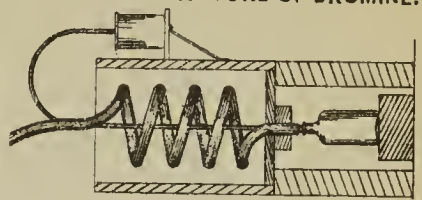
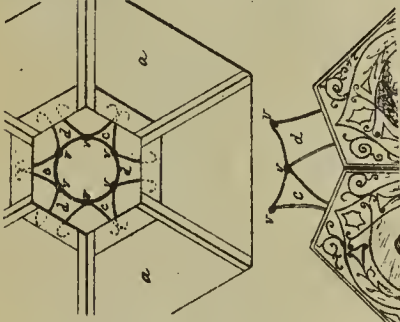
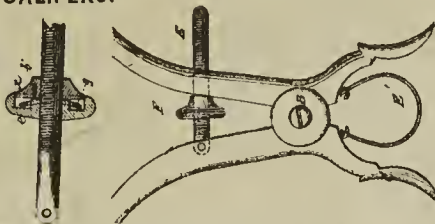
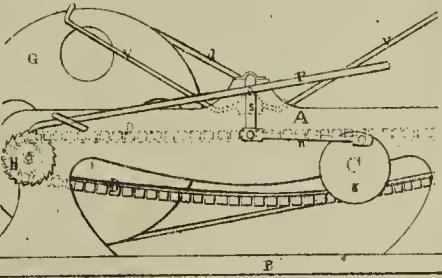
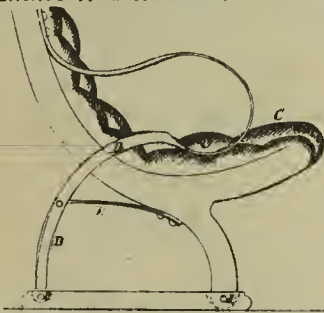
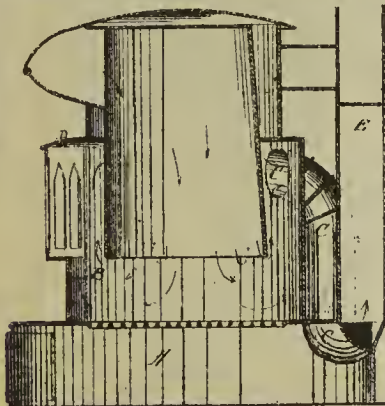
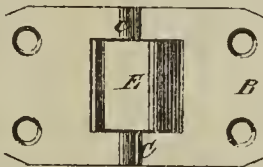
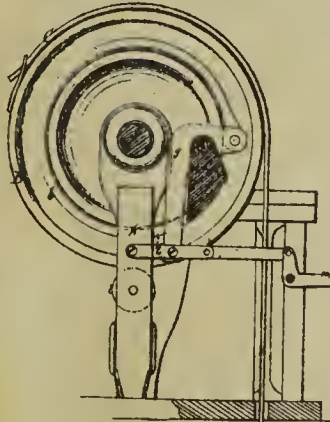
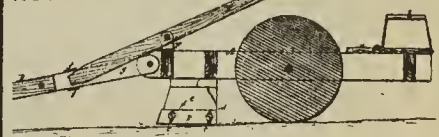
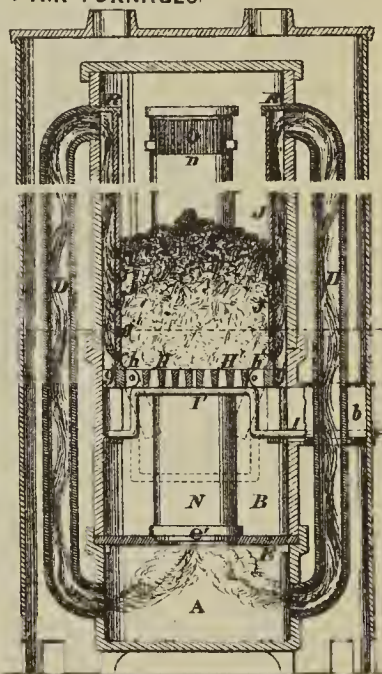
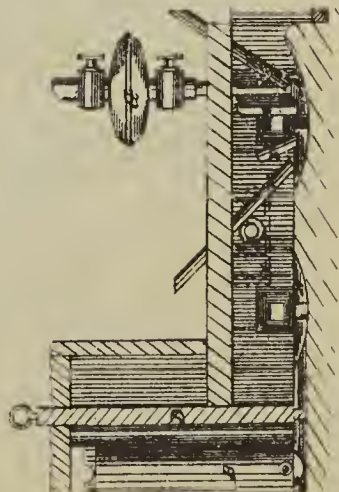
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110,648, FRANKLIN T. GRIMES. LAMPS.

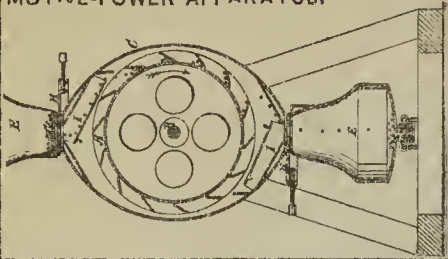


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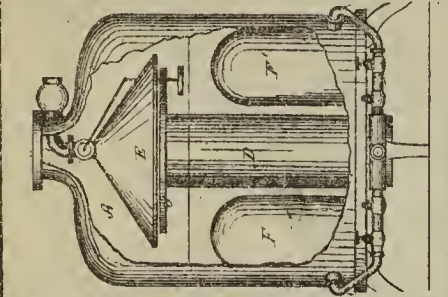
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110,656 WM. H. H. HOLLEN.
KNITTING-MACHINES.110,662, JOHN J. JÜHLER. APPARATUS
FOR THE MANUFACTURE OF BROMINE.110,651, HENRY M. HARTSHORN.
FOLDING LAMP-SHADES.110,657, WILLIAM P. HOPKINS.
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BASE-BURNING FIRE-PLACE HEATERS.110,659, JOHN S. JENNESS.
DOUBLE-HINGES.110,660
MARQUIS R. JONES.
SUBSOIL-PLOWS.110,655 FRANCIS M. HODGE.
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JOHN B. BAKER.
MILKING-STOOLS.110,663, CALVIN MARSHALL.
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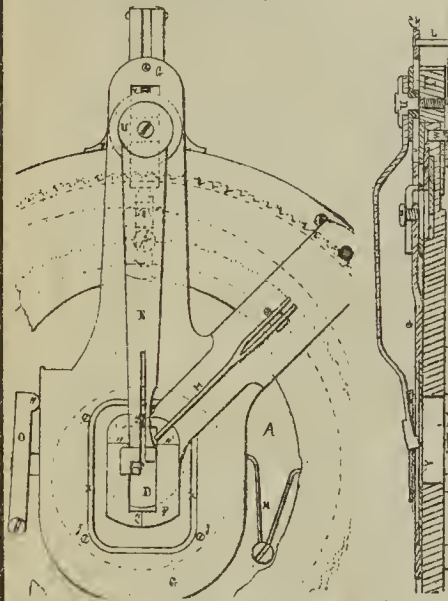
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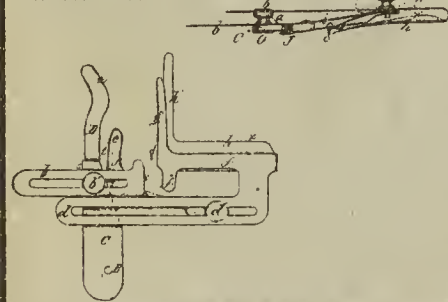
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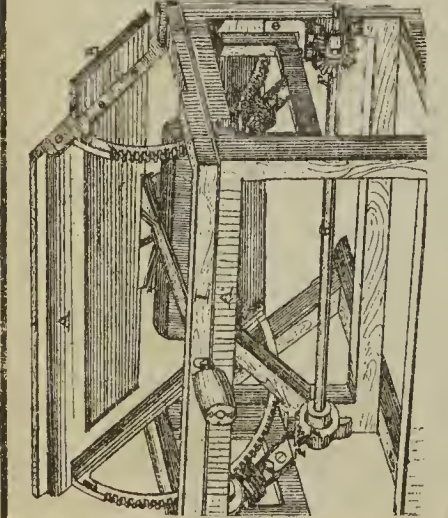
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110,670, AARON MOREHOUSE.
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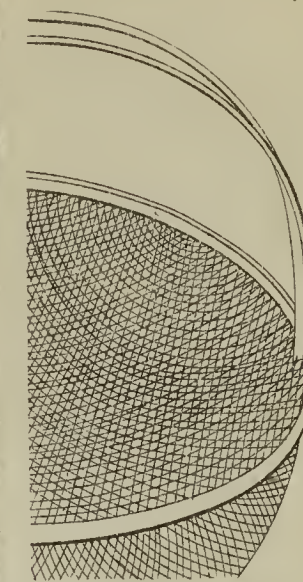


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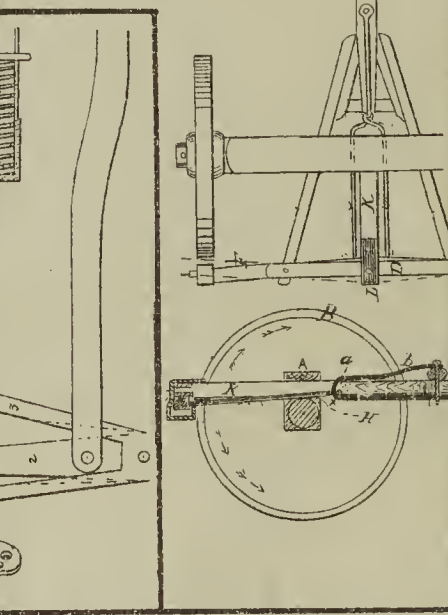


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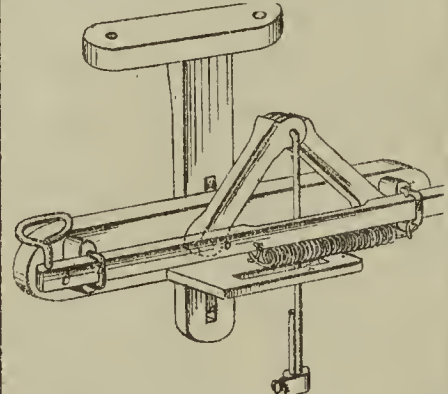
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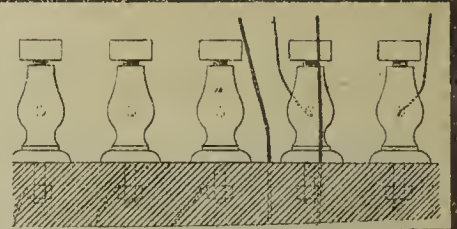
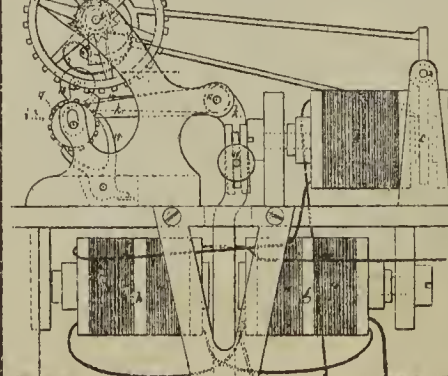
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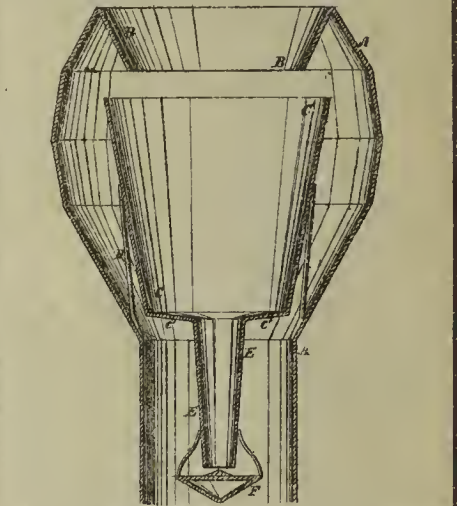
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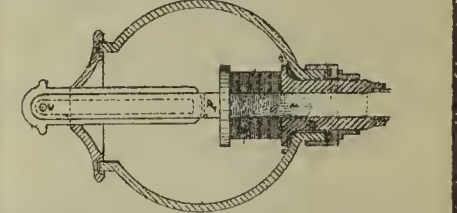
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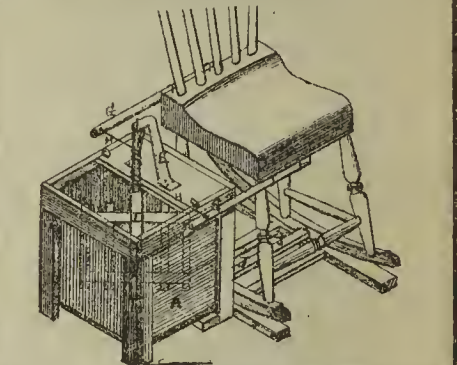
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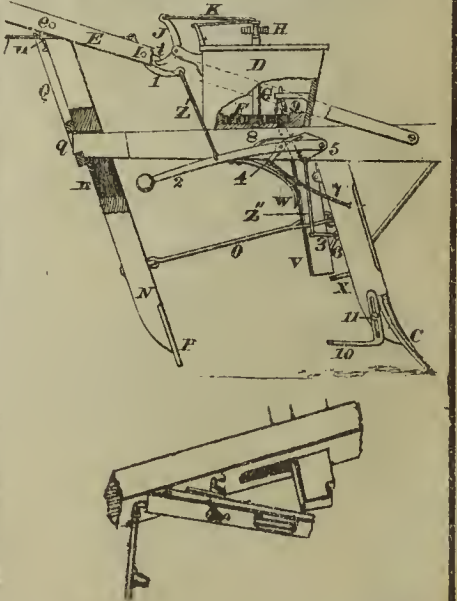
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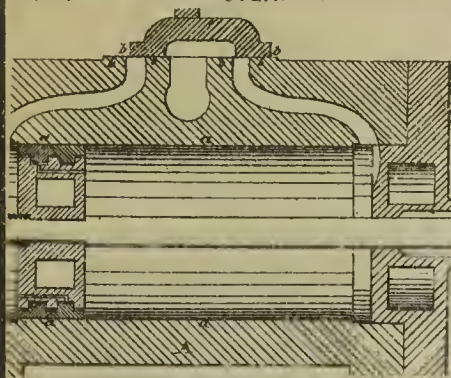


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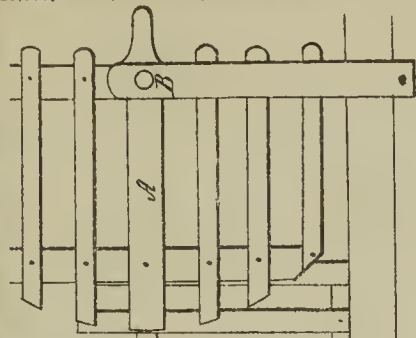
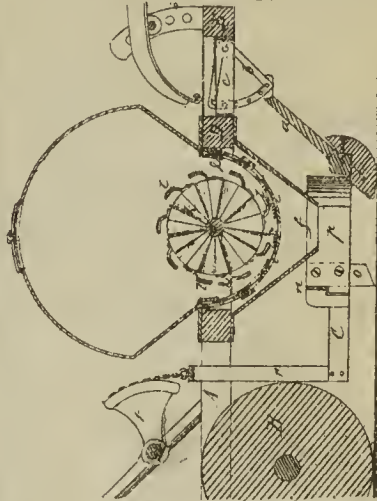


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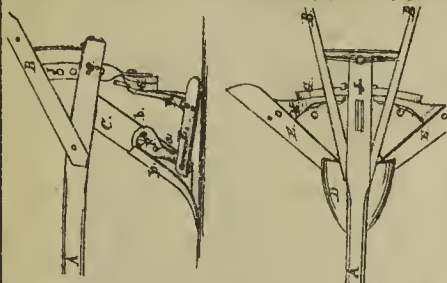
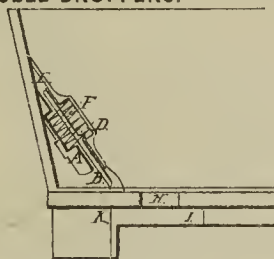
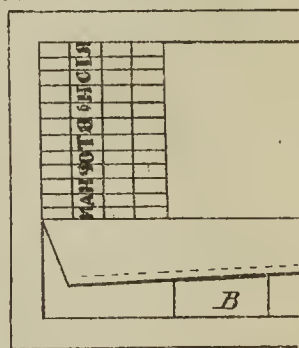
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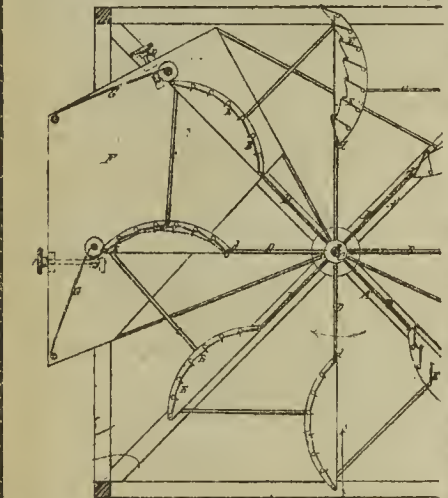
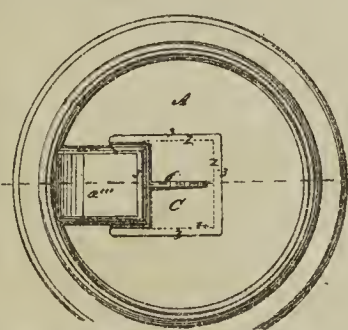
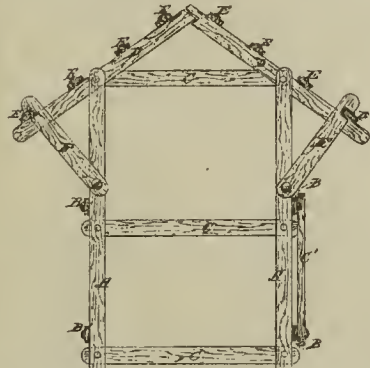
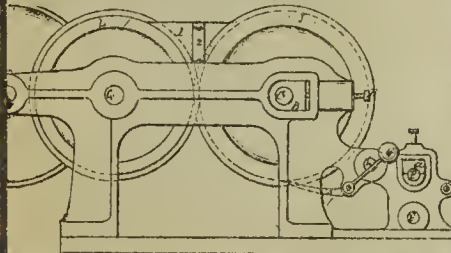
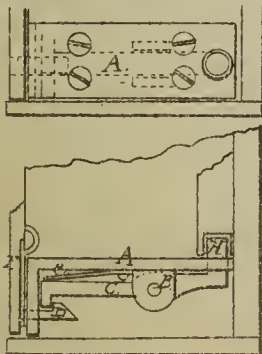
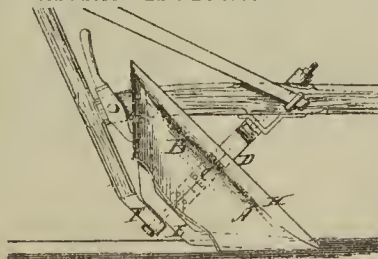
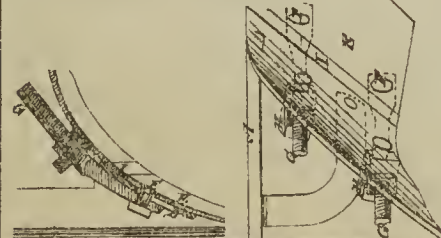
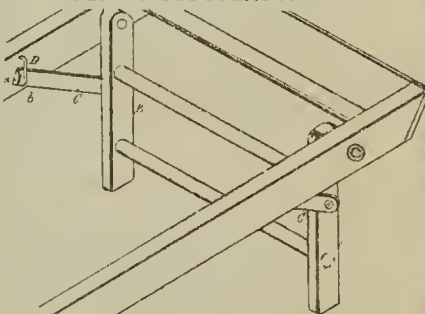
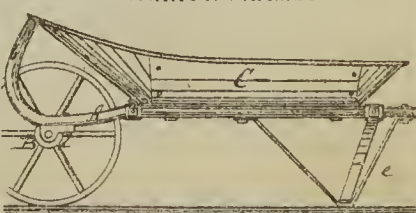
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110,694, H. L. TILLERY.
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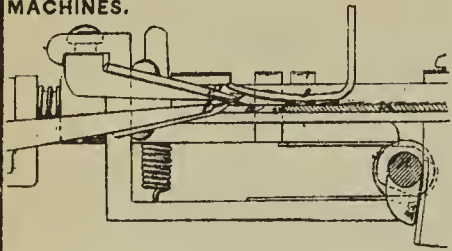
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110,688 H. M. SMITH.
SEED-DROPPERS.110,695, RICHD. B. TOPHAM.
PRINTERS' FURNITURE.

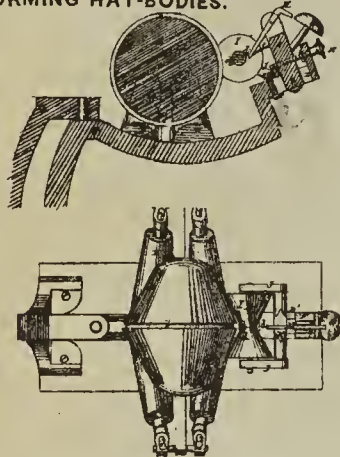
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110,689, SAMUEL SMITH.
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LUBRICATING COMPOUNDS.110,691 HENRY M. STEVENSON.
CLOTHES-DRIERS.110,684, ABRAHAM SCHOENBERG.
CASTING BAR-SOLDER.110,685, JOHN W. SCHWANER. DIES FOR
FORMING HORSE-COLLAR SHELLS.110,686, PHIL. T. SHARE.
SHUTTER-FASTENINGS.110,692, GEO. W. THOMPSON.
REVERSIBLE PLOWS.110,693, GEORGE W. THORP.
EXTENSION PLOW-SHARES.110,697, JOSHUA TURNER.
FOLDING-BEDSTEADS.110,698, BECKWITH W. TUTHILL.
WHEELBARROW-FRAMES.

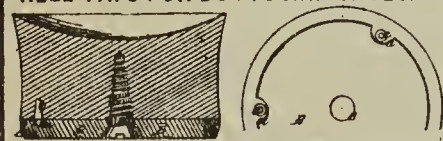
110,699, WM. WALKER.
PLAITING DEVICES FOR SEWING-
MACHINES.



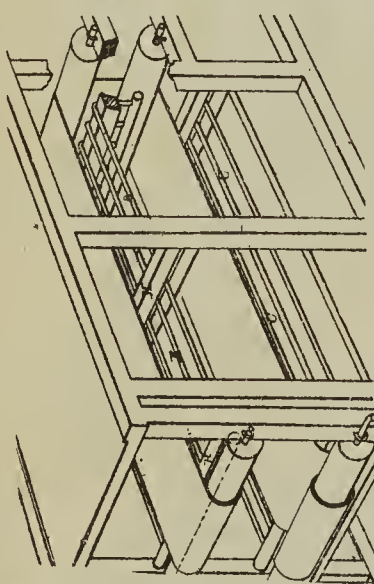
110,700, WM. C. WARING. **ALARM-**
ATTACHMENTS FOR MACHINES FOR
FORMING HAT-BODIES.



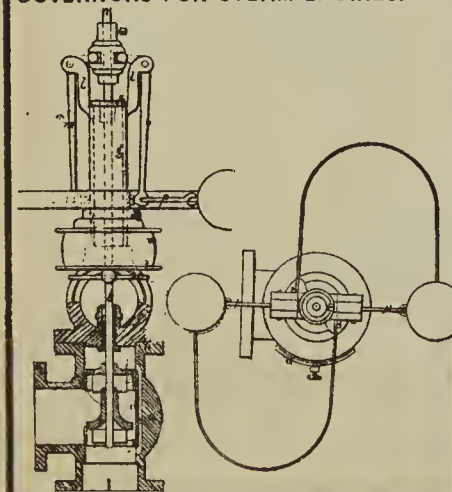
110,701, ALEXANDER WARNER.
HEEL-TAPS FOR BOOTS AND SHOES.



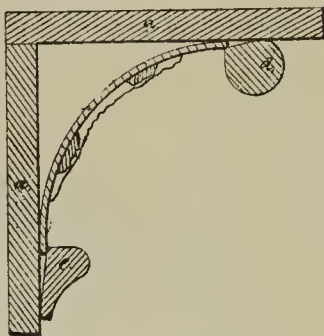
110,702, OLIVER C. WASHBURN, DRYING
OIL-CLOTHS AND SIMILAR FABRICS.



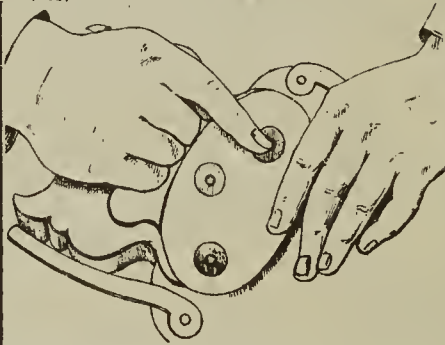
110,703, CHARLES WATERS.
GOVERNORS FOR STEAM-ENGINES.



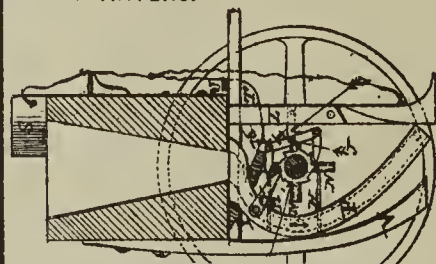
110,704, WILLIAM W. WEBSTER.
CONSTRUCTING MOLDINGS OF PAPER.



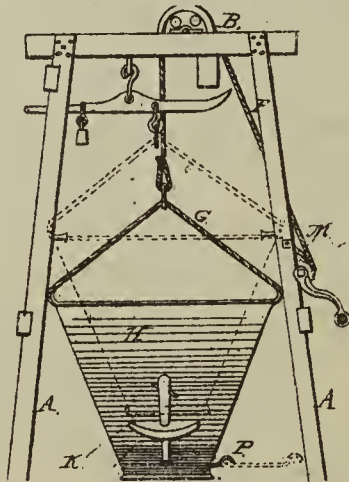
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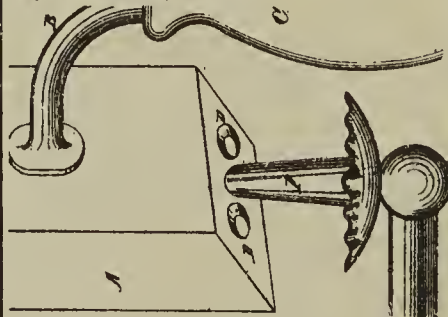
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SEED-PLANTERS.



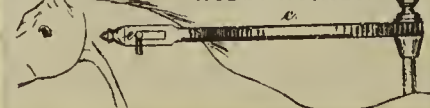
110,707, C. A. WHELAN,
CHARLES T. WAKELEY.
BAG-FILLING AND WEIGHING-MACHINES.



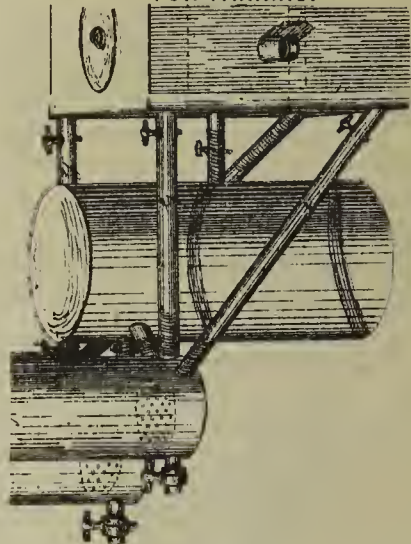
110,708 LEWIS WILKINSON.
SAD-IRON HEATERS.



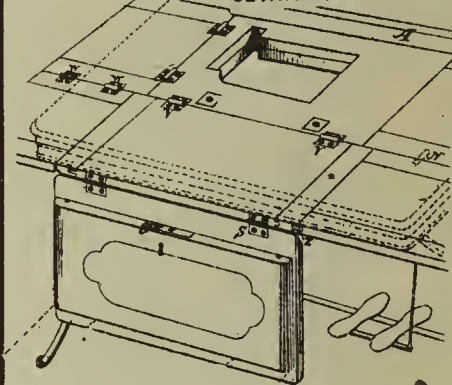
110,709, W. L. WILLIAMS. **CHILDREN'S**
HOBBY-HORSES.



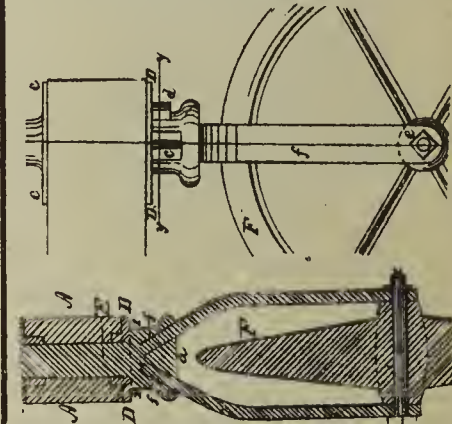
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APPARATUS FOR MAKING EXTRACTS
FOR TANNING.



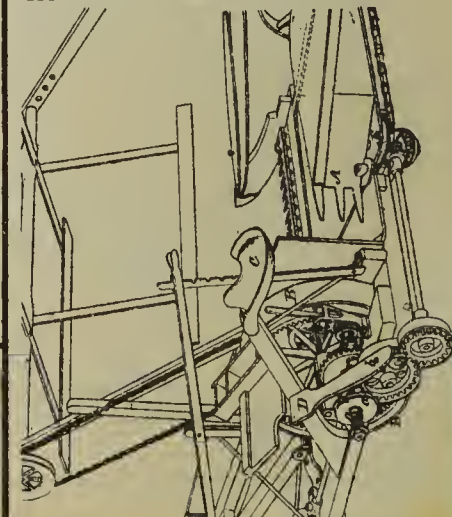
110,711, FRANCIS R. WOLFINGER.
COVERS AND TABLES FOR
SEWING-MACHINES.



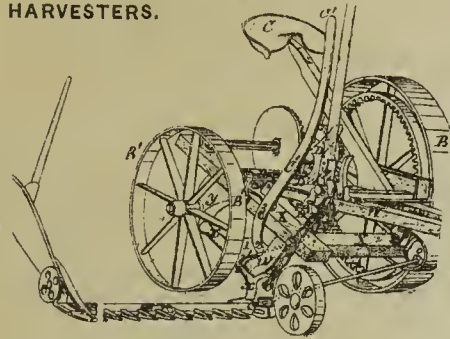
110,712, WALTER A. WOOD,
W. ANSON WOOD.
GUIDING-WHEELS FOR HARVESTERS.



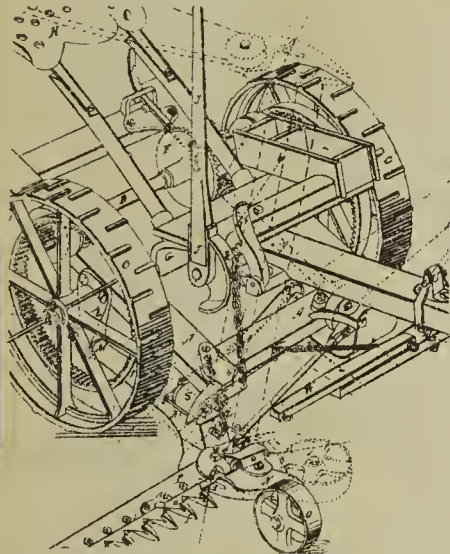
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HARVESTERS.
WILLIAM ANSON WOOD.
AND JOHN M. ROSEBROOKS,



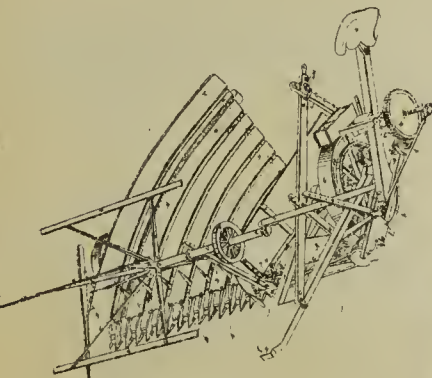
110,714, WALTER A. WOOD.
WM. ANSON WOOD.
JOHN M. ROSEBROOKS.
HARVESTERS.



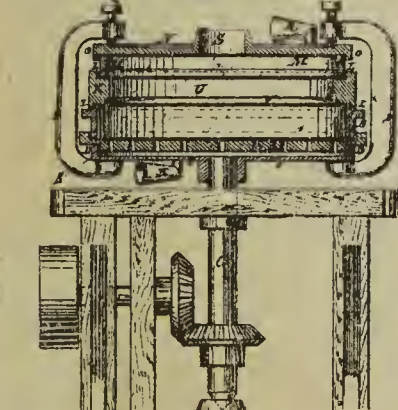
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W. ANSON WOOD. HARVESTERS.
J. M. ROSEBROOKS.



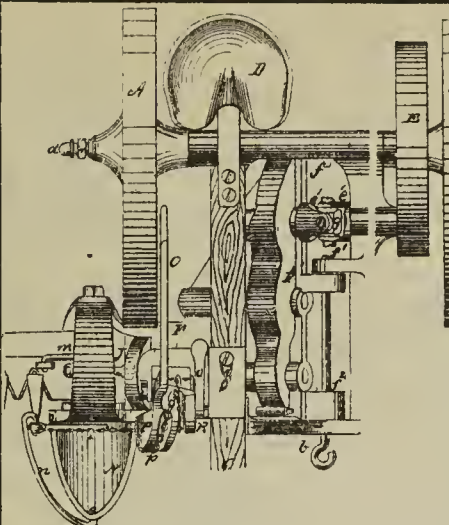
110,716, W. ANSON WOOD.
HARVESTER-RAKES.



110,717, WILLIAM ELLISON WORTH.
CAR-WHEEL MOLDS.



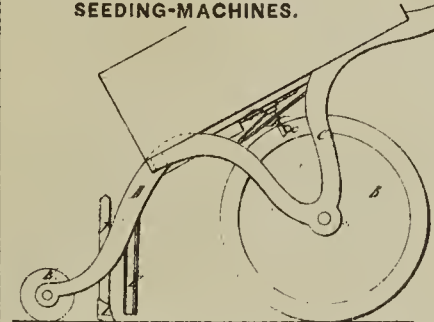
110,718 CHARLES M. YOUNG.
HARVESTERS



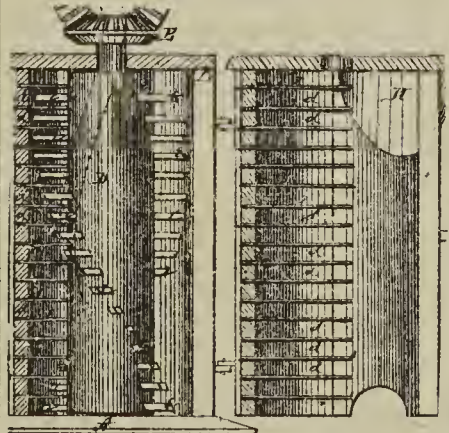
110,719 CARL FRIEDRICH ZIMMERMANN.
MUSICAL NOTATIONS FOR
ACCORDEONS.



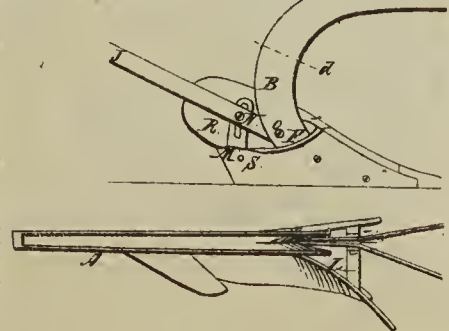
110,720, D. S. ALVORD.
CHAS. D. HOLLIS.
SEEDING-MACHINES.



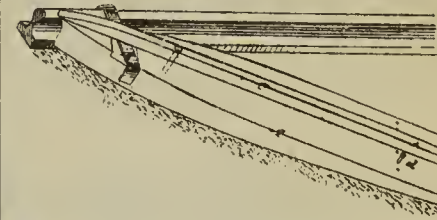
110,721 JEREMIAH S. ARTLEY.
MEAT-CUTTERS.



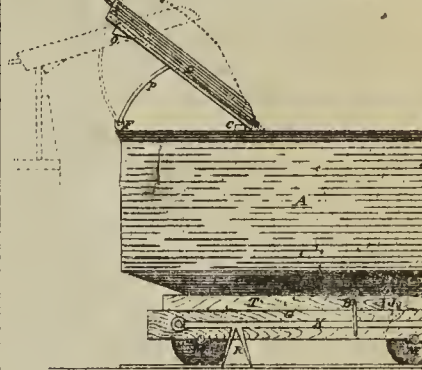
110,722. ALBERT BALL.
IRON PLOW-BEAMS.



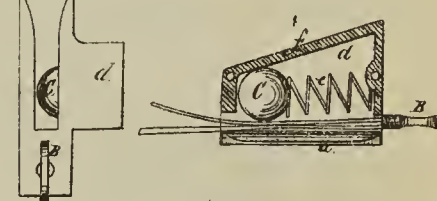
110,723 DAVID H. BALL.
JOHN BROOKS.
CAR-REPLACERS.



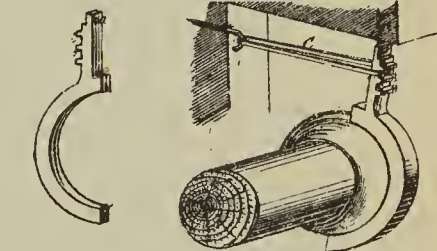
110,724, LEONARD BANMERLIN.
GRAIN-DUMPING CARS.



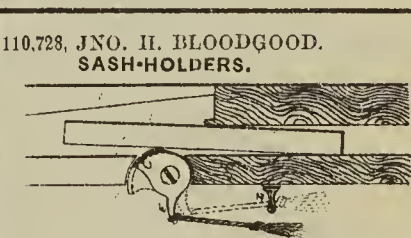
110,725, WILLIAM BARSTOW.
REIN-HOLDERS.



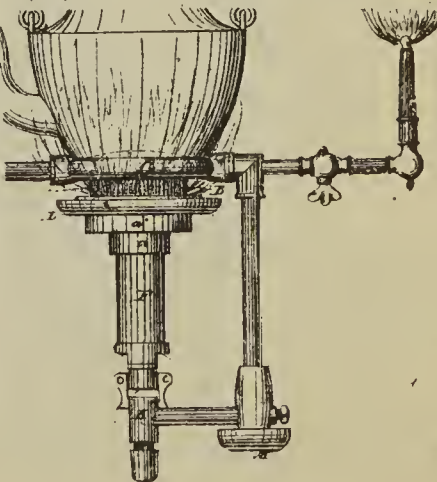
110,726, THOMAS S. BAYLIE.
GEORGE H. MAURER.
CURTAIN-BRAKES.



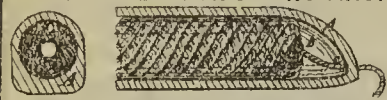
110,727, FR. BECK.
COATING AND DECORATING PAPER,
CLOTH, AND OTHER MATERIALS.



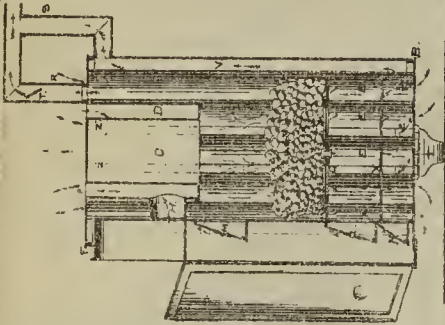
110,729, A. L. BOGART GAS APPARATUS.



110,730, FREDERICK W. BOLAND.
SHUTTLES FOR SEWING-MACHINES.



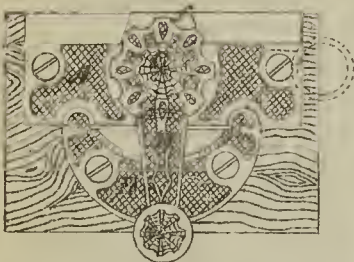
110,731, LANSING BONNELL.
HOT-AIR FURNACES.



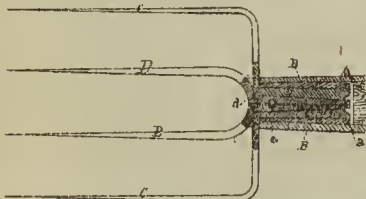
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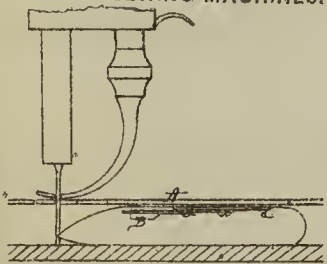
110,733, ELIAS K. BROCKENRIDGE.
FASTENERS FOR MEETING-RAILS OF
SASHES.



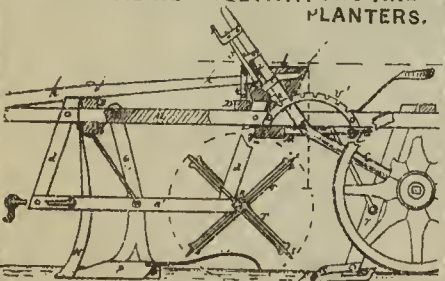
110,734, AMOS S. BRINSER.
HENRY BRICKER.
MANURE-FORKS.



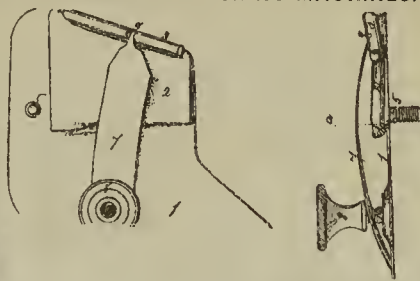
110,735, WILLIAM H. BAKER.
SEWING-MACHINES.



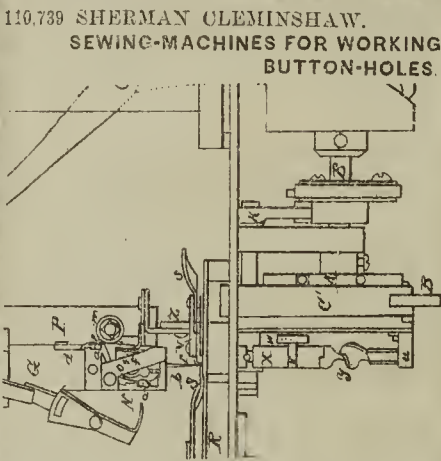
110,736, PETER BURRESS.
COMBINED CULTIVATORS AND
PLANTERS.



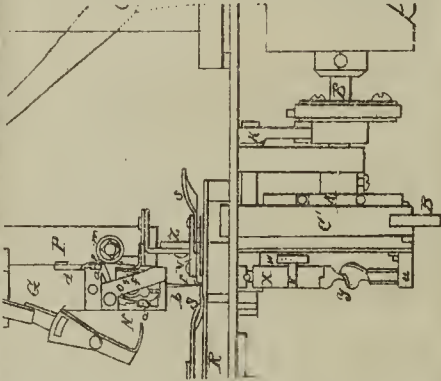
110,737, CYRUS CARLETON.
HEMMERS FOR SEWING-MACHINES.



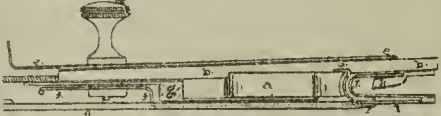
110,738, THO. W. CHANDLER.
PRESERVING WOODS.



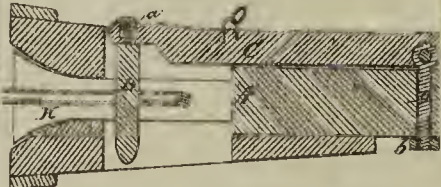
110,739, SHERMAN OLEMINSHAW.
SEWING-MACHINES FOR WORKING
BUTTON-HOLES.



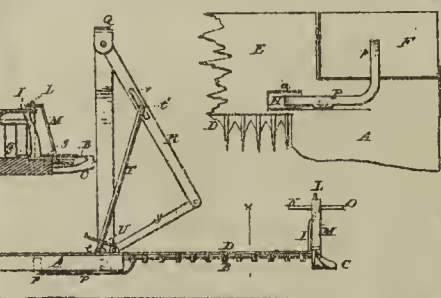
110,740, JACOB L. COLES.
BINDERS FOR SEWING-MACHINES.



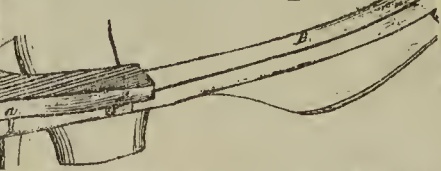
110,741, DAVID PITKIN CORY.
AUTOMATIC CAR-COUPPLINGS.



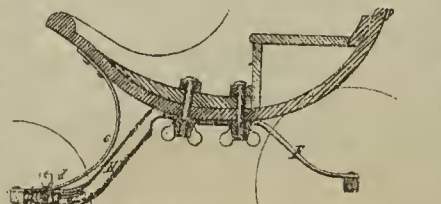
110,742, WM. ROBERT CORY, HARVESTERS.



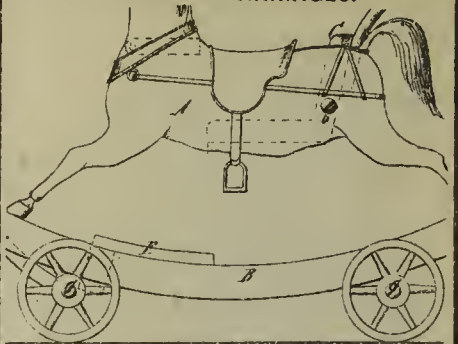
110,743, JOHN CRADTREE.
BOOT-JACKS.



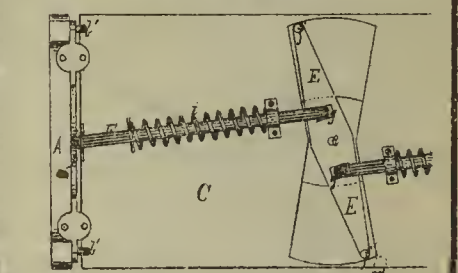
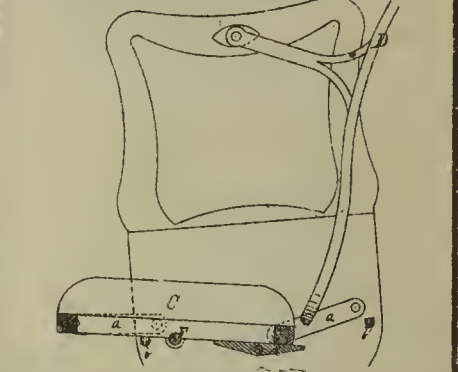
110,744, JOHN O. CRANDALL.
CHILDREN'S CARRIAGES.



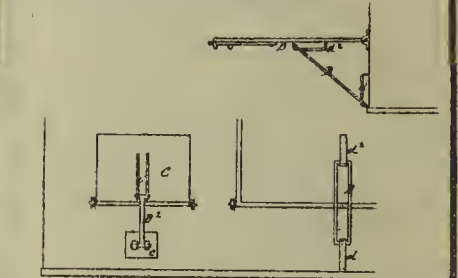
110,745, W. B. CRANDALL.
CHILDREN'S CARRIAGES.



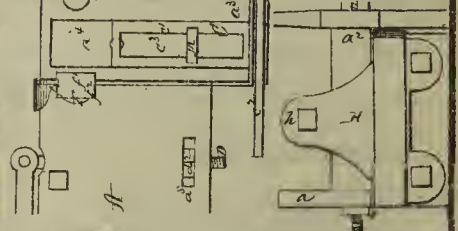
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RAILWAY-CAR SEATS.



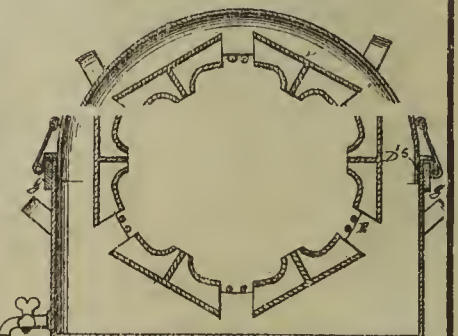
110,747, ROYAL E. DEANE.
THOMAS SHEDD.
DOORS FOR RANGES.



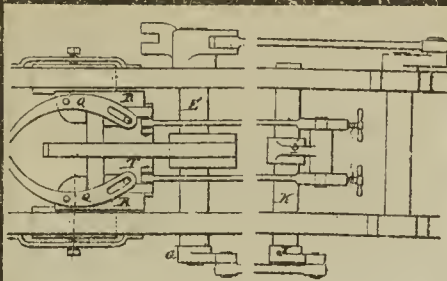
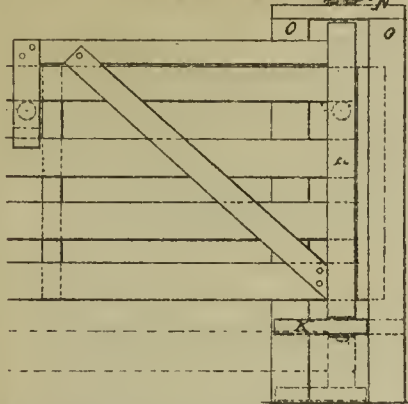
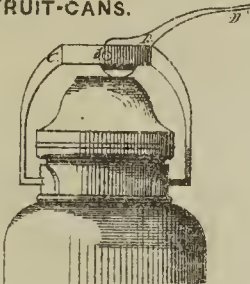
110,748, JOHN H. DE VALIN.
MACHINES FOR BENDING METAL
STIRRUPS.



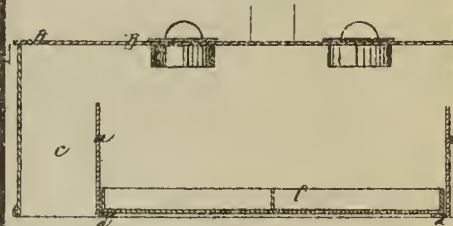
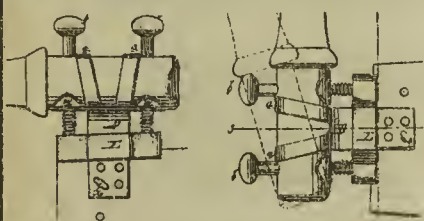
110,749, SAMUEL DE VEAU.
WASHING-MACHINES.



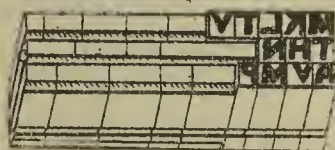
110,750. A. J. DIMICK. GATES.

110,757. REUBEN G. FARNHAM.
FRUIT-CANS.

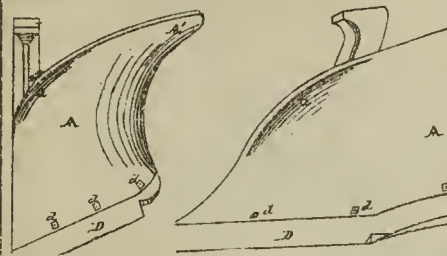
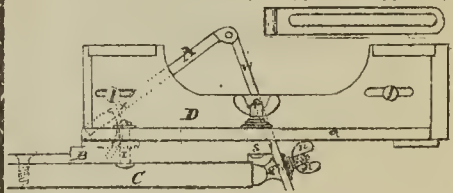
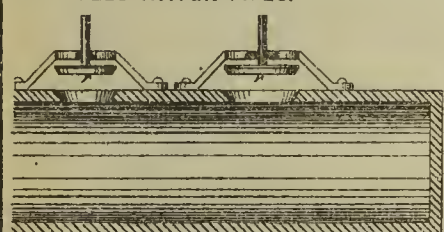
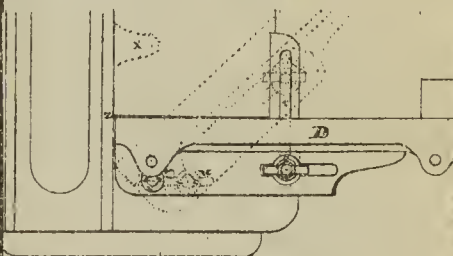
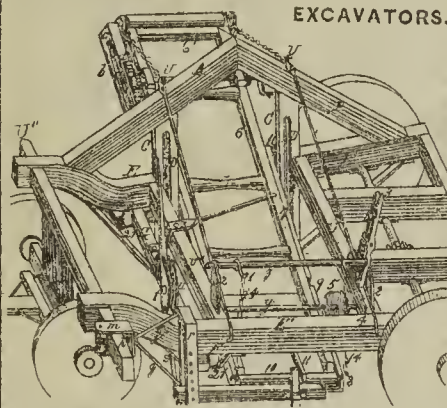
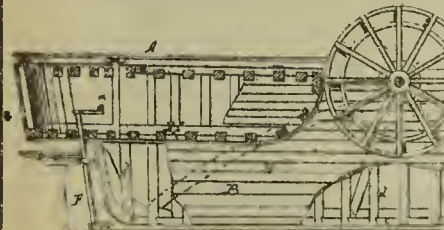
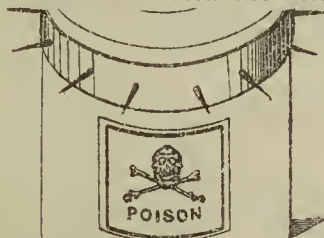
110,763. MICHAEL T. HYNES. BROILERS.

110,751. THOMAS S. DISSTON.
HANDLES FOR CROSS-CUT SAWS.110,764. GEO. H. JOHNSON.
HOLLOW BRICKS.

110,752. WM. DONALD. QUADRATS.

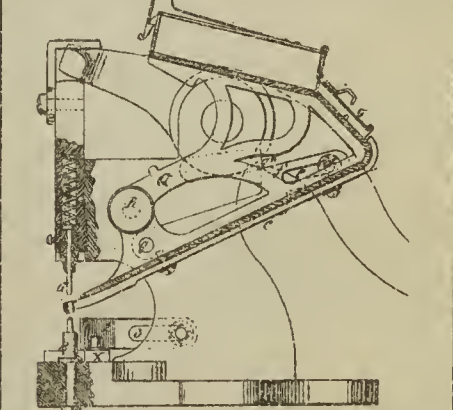
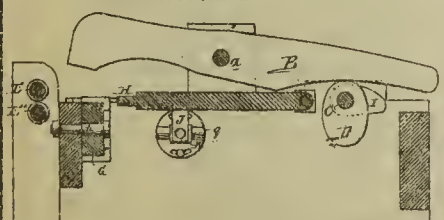
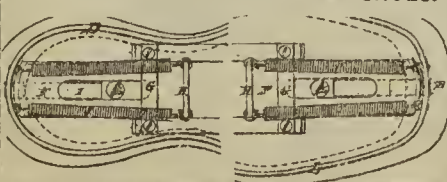
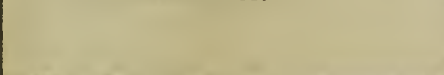


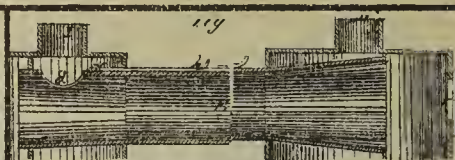
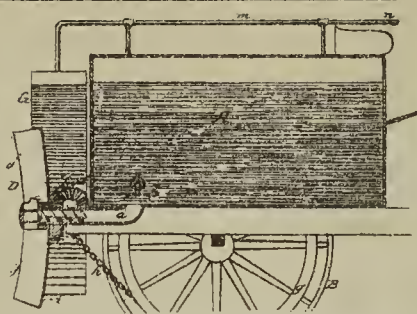
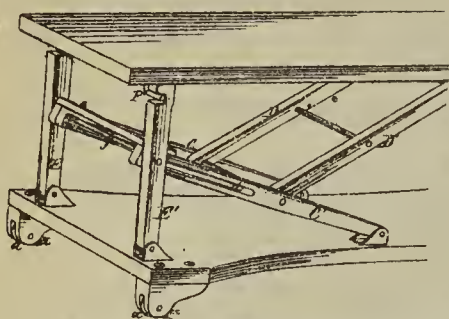
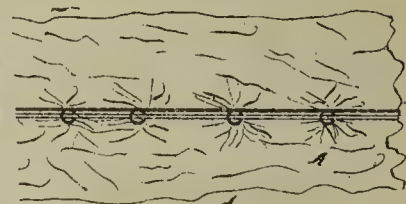
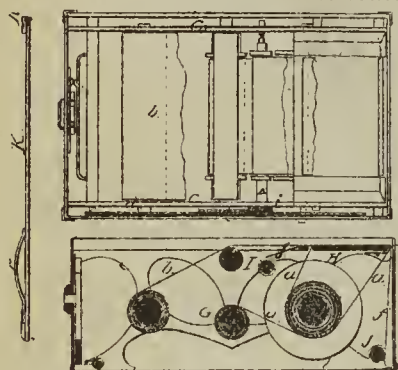
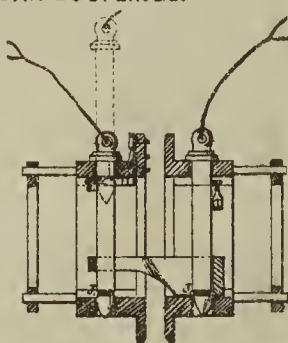
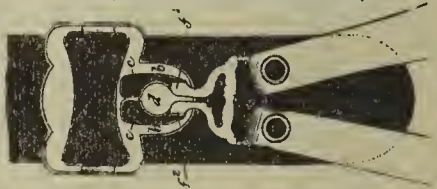
110,758. NELSON FAUGHT. PLOWS.

110,765. JOSEPH JONES.
CARPENTERS' SHOOTING-BOARDS.110,753. JOHN DOYLE.
FEED-WATER PIPES.110,759. DAVID GILMORE.
WILLIAM W. FORREST.
EXCAVATORS.110,766. HENRY KILLAM.
CARRIAGE-AXLES.110,754. WALTER EVERSON.
TUGS FOR TOWING BOATS.110,760. JOSEPH HARRISON.
PRECAUTIONARY ATTACHMENTS FOR
BOTTLES CONTAINING POISON.

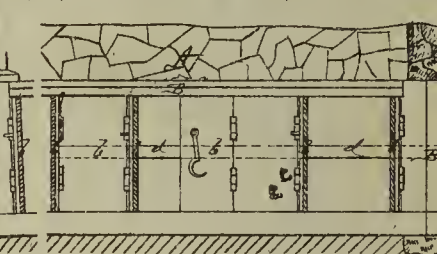
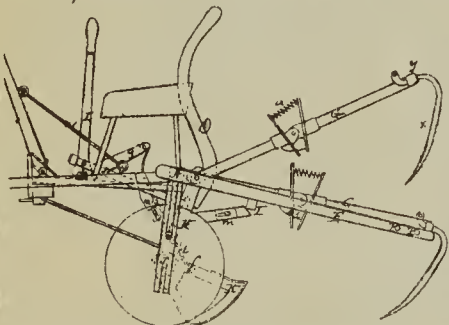
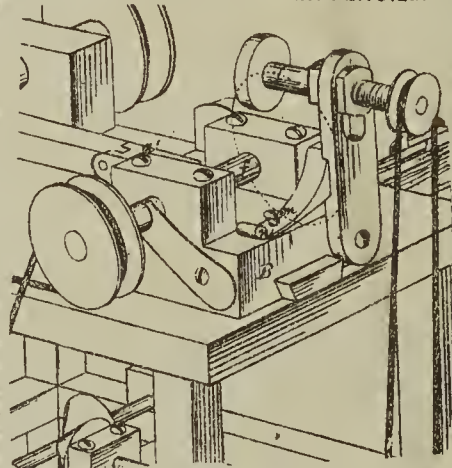
110,767. A. KOMP.

EYELETING-MACHINES.

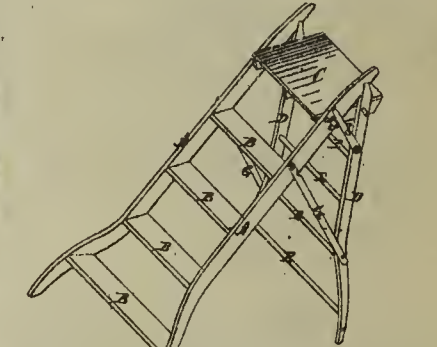
110,755. DAVID EYNON.
SPIKE-MACHINES.110,761. WM. HILLHOUSE.
GEO. W. BRIGGS.
DEVICES FOR NICKING SCREW-CAPS.110,762. ARCHELAUS M. HOWE.
DEVICES FOR CUTTING SOLES FOR
BOOTS AND SHOES.110,768. AUSTIN S. MANN.
METALLIC HEELS.110,756. DAVID EYNON.
SPIKE-MACHINES.

110,769, DANIEL W. MARSHALL.
IRONING-TABLES.110,782, J. D. OPPENHEIMER.
HAIR-PUFFS OR ROLS.110,770, GEORGE R. METTEN.
OSCAR S. PEASE.
FARE-RECORDERS FOR CARS, &c.110,776, JOSEPH MOUNT.
CAR-COUPPLINGS.110,783 EDWARD LAWLEY PARKER.
FASTENINGS FOR BRACES, &c

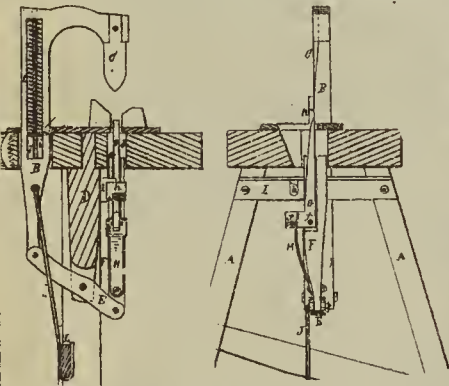
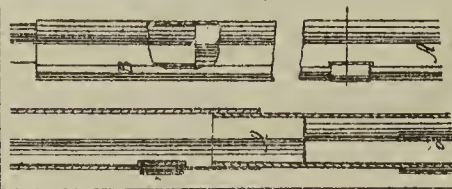
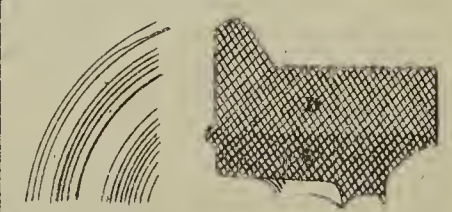
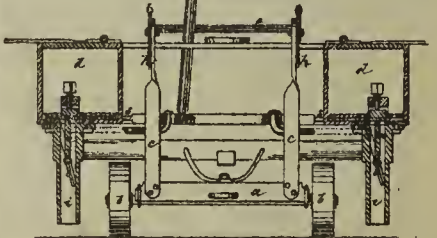
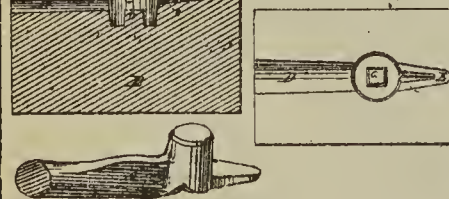
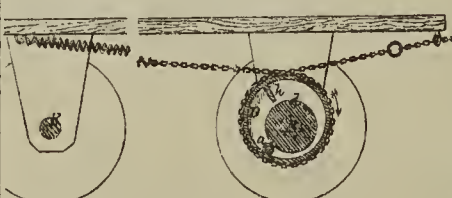
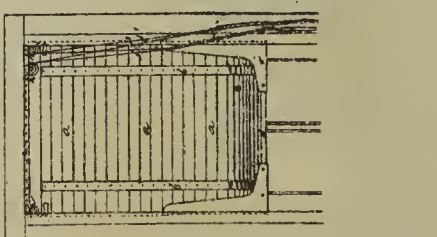
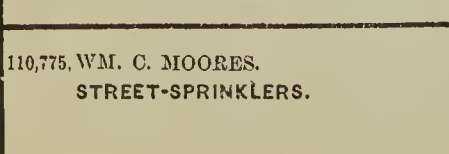
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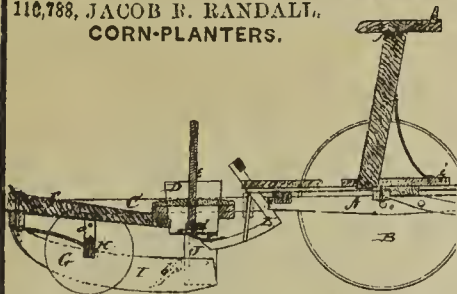
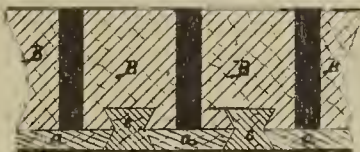
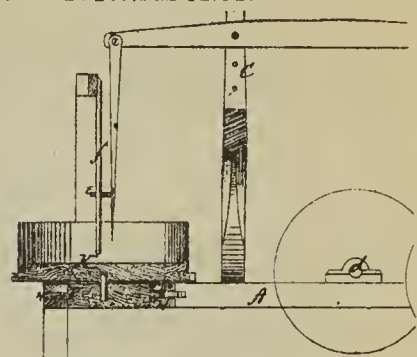
110,771, CHARLES ROLLIN MERRIAM.
HORSE HAY-RAKES.110,777, TEILE H. MÜLLER.
MACHINES FOR CUTTING THE ENDS
OF WOODEN PENCILS.

110,785, WM. G. PHILIPS. STEP-LADDERS.

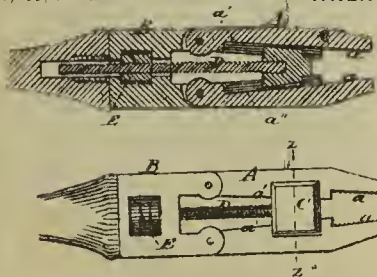
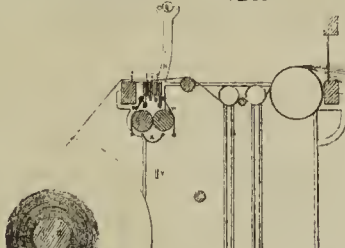
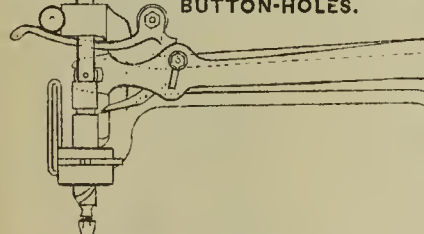
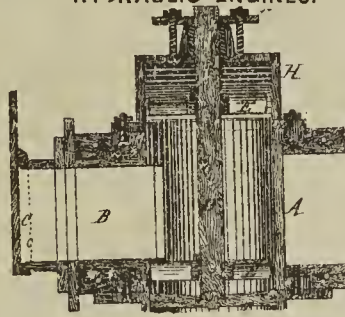
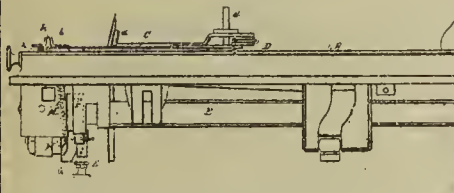
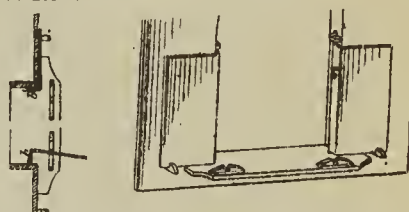
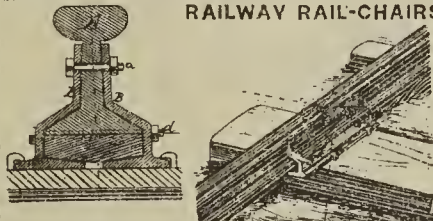
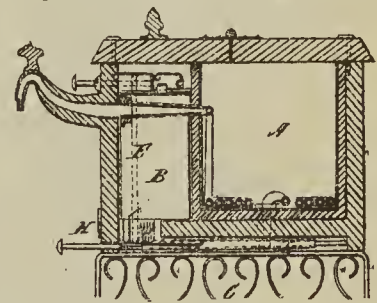
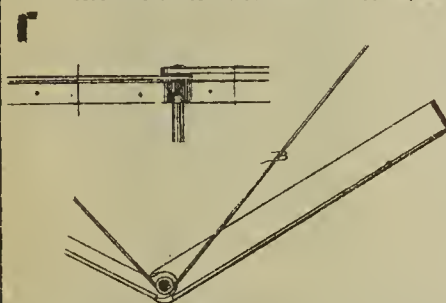


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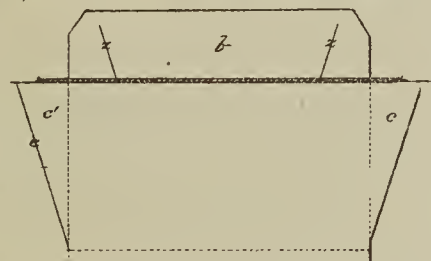
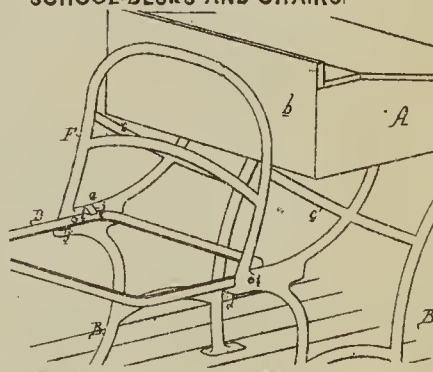
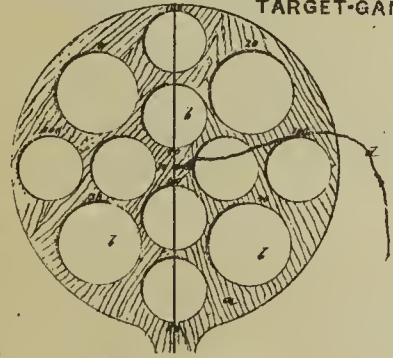
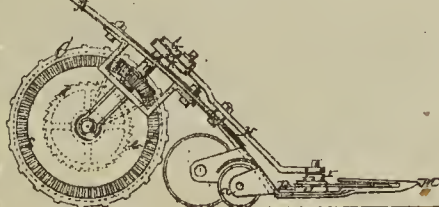
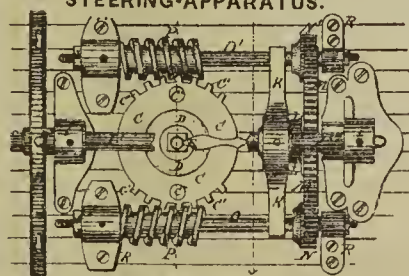
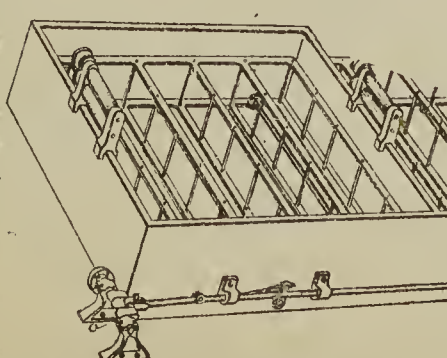
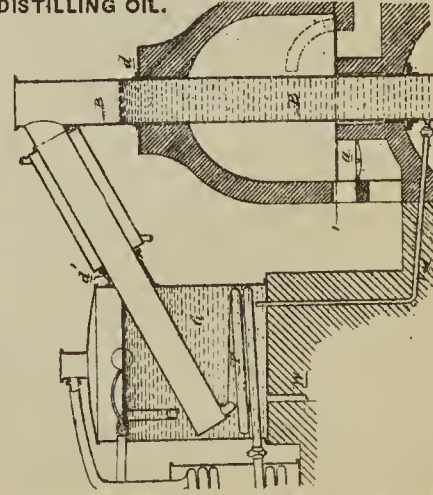
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LIGHTNING-RODS.110,779, CHANDLER NEEDHAM.
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CAR-STARTERS.110,787, ANSEL W. PORTER.
WINDOW-SHADES.110,774, TOM. W. MITCHELL.
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IN THE COTTON-PLANT.110,775, WM. C. MOORES.
STREET-SPRINKLERS.110,781, W. H. NOBLES.
HEATING-STOVES AND DRUMS.

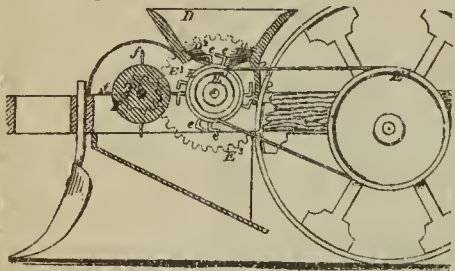
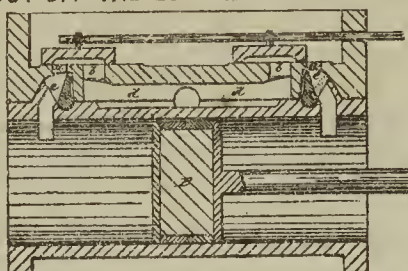
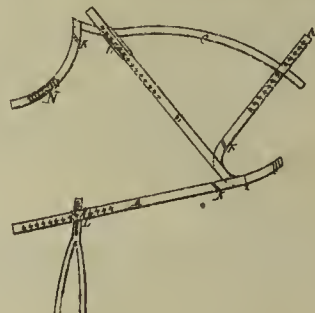
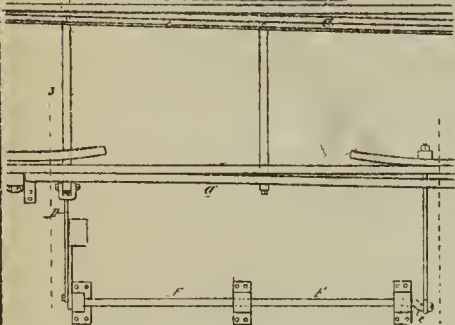
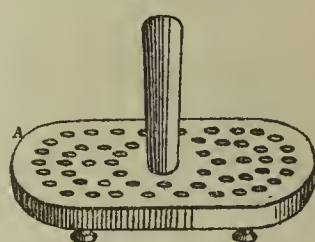
110,788, JACOB R. RANDALL.
CORN-PLANTERS.110,794, WM. E. SHAW.
STREET-PAVEMENTS.110,801, JAMES M. TAFT MEAT-CHOPPERS
AND VEGETABLE-SLICERS.

110,789, JOHN F. ROBERTSON. WRENCHES.

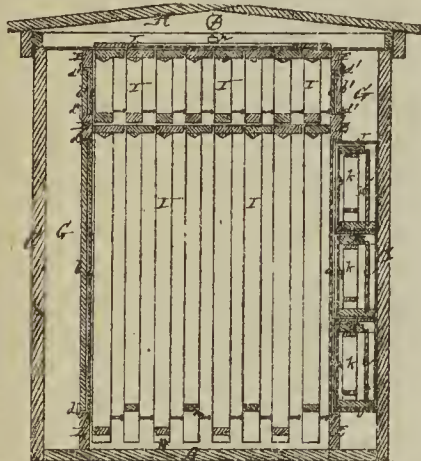
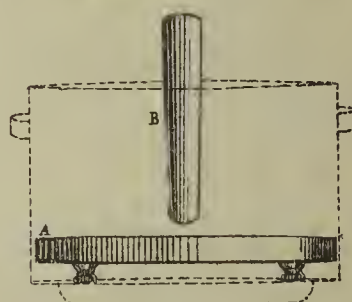
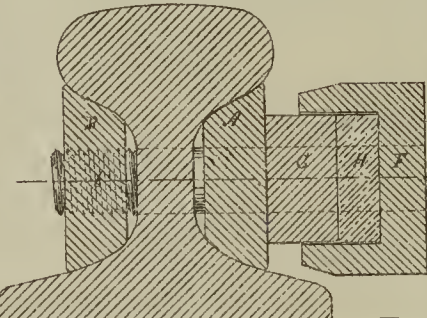
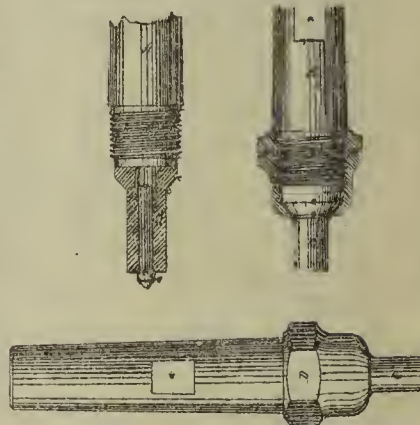
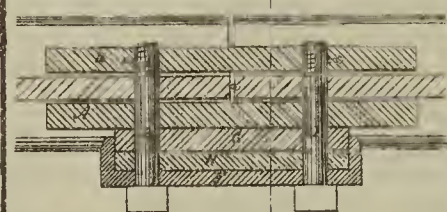
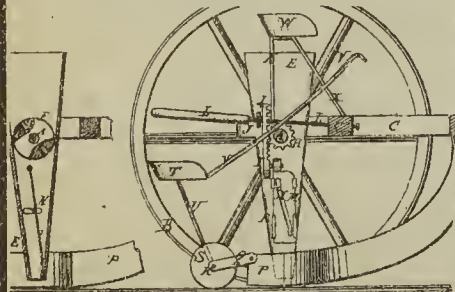
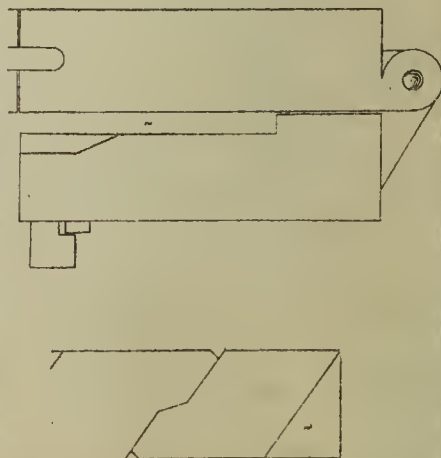
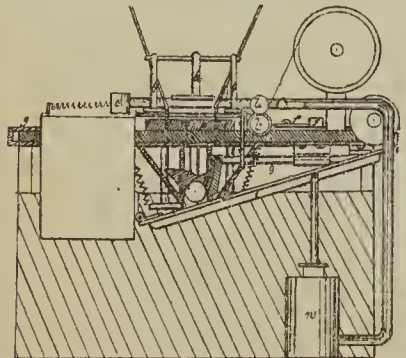
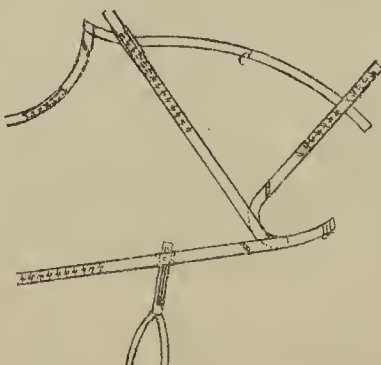
110,795, THOMAS SINGLETON.
WARPING-MACHINES.110,802 E. W. TALBOTT.
CLOTHES-LINE HOLDERS.110,790 CHAS. E. ROBINSON.
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BUTTON-HOLES.110,796, WILLIAM SNYDER.
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RAILWAY RAIL-CHAIRS.110,804, ANTONY TUMLER.
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110,798, ROBERT S. STUBBS. ENVELOPES.

110,805, ALEXANDER SIDNEY VAUGHAN.
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TARGET-GAMES.110,799, ZURIEL SWOPE.
MOWING-MACHINES.110,793, JOHN C. SCHRADER.
CARL A. MATHIESEN.
STEERING-APPARATUS.110,800, GEO. W. SYLVESTER.
APPARATUS AND PROCESSES OF
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APPARATUS AND PROCESSES FOR
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110,807, DWIGHT F. WELSH.
COTTON-PLANTERS.110,813, GEO. S. YOUNG.
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RAILWAY-SWITCHES.110,814, GEO. S. YOUNG.
MILL-SPINDLE STEPS.4,227, ARIADNA B. MERCIER.
CLOTHES-WASHERS.

110,809, JOHN WHEELDON. BEE-HIVES.

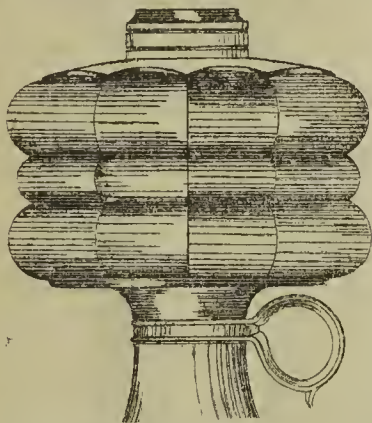
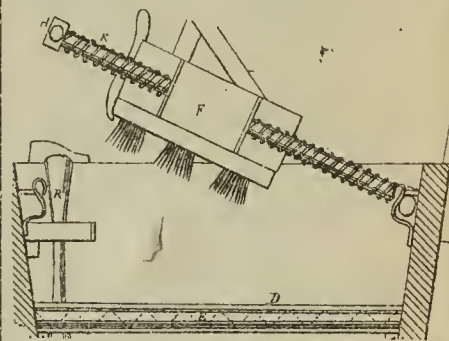
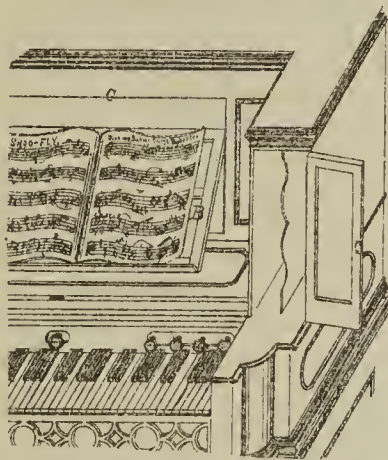
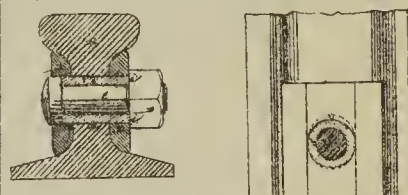
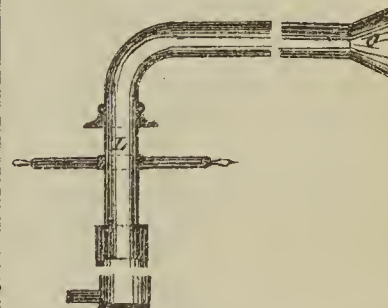
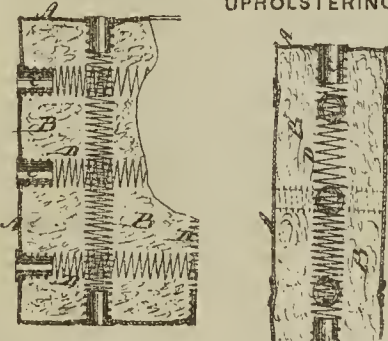
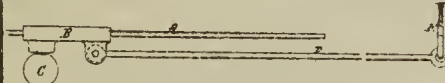
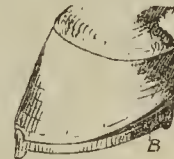
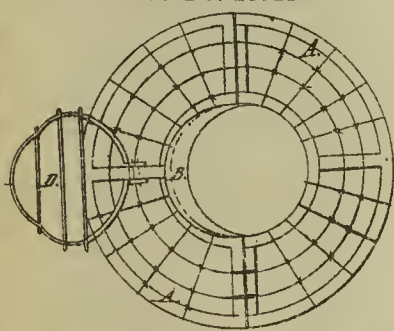
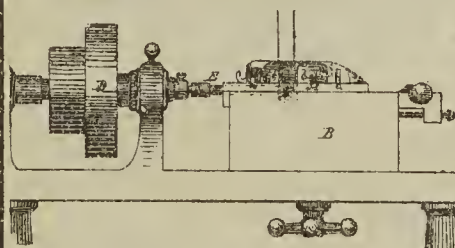
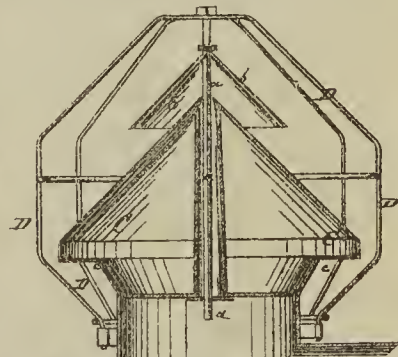
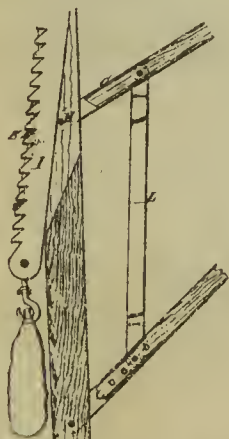
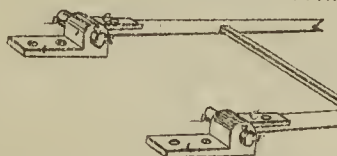
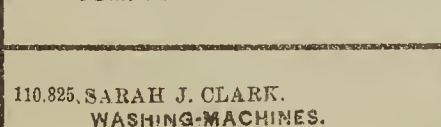
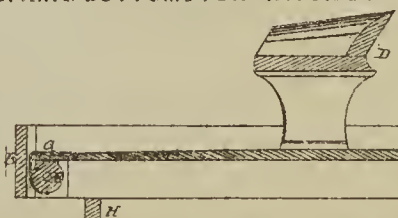
4,223, W. E. CRANDALL.
CHILDREN'S CARRIAGES.110,810, WM. H. WHITE.
ATTACHMENTS FOR SEWING-MACHINES.4,224, LYMAN FAY.
SECURING RAILWAY-RAIL JOINTS.4,228, ISAAC P. RICHARDS.
PUNCHES.110,811, JOSEPH M. WHITMORE. CORN-
JOHN N. ARVIN. PLANTERS.4,229, WILLIAM MEDD WATSON.
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MOLD-BOARDS FOR PLOWS.110,812, CHARLES C. WILSON.
MACHINES FOR WRAPPING "KISSES." &c.4,225, U. L. LEETE.
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GARMENTS.

ILLUSTRATIONS OF PATENTS

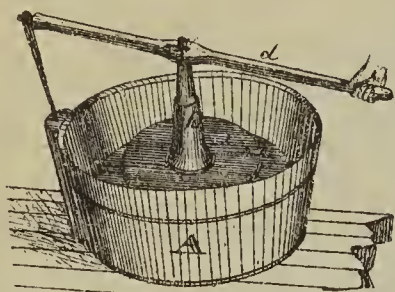
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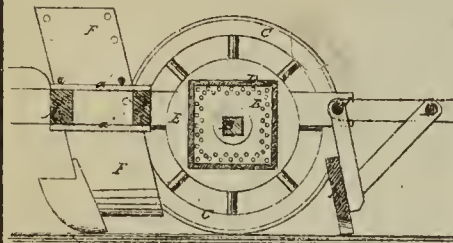
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110,815, JOHN ADAMS.
GLASS LAMPS.110,819, CHAS. E. BACON.
CASES FOR REED ORGANS.110,826, J. W. COCHRAN.
INSULATED BOLTS FOR RAILWAY-RAILS.110,827, JAMES COCHRANE.
MARINERS' SOUND-INDICATORS.110,820, HORACE H. BARNES.
BEDS, CUSHIONS, AND OTHER
UPHOLSTERINGS.110,821, LUCIUS PHILETUS BARNES.
ADJUSTABLE DOOR-FASTENERS.110,828, DANIEL L. CORBIN.
RUBBER PADS FOR HORSE-SHOES.110,817, SAM'L. J. ANDERSON
STOVE-PIPE SHELVES110,822, CHARLES E. BILLINGS.
MACHINES FOR DRILLING SHUTTLES.110,829, MATTHEW K. COUZENS.
SELF-ACTING SEWER-BASIN TRAPS.110,818 ORREN A. ANTHONY.
LIFTING-JACKS.110,823, GEORGE G. BURGESS.
ADJUSTABLE LOCK-COUPPLINGS FOR
VEHICLES.110,824, ROBERT E. CHERRINGTON.
COMPOUNDS FOR STOVE-POLISH.110,825, SARAH J. CLARK.
WASHING-MACHINES.110,830, EPHRAIM D. CRAMER.
SPRING-BOTTOMS FOR WAGON-BODIES.

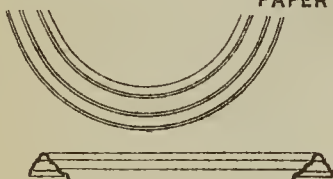
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WASHING-MACHINES.



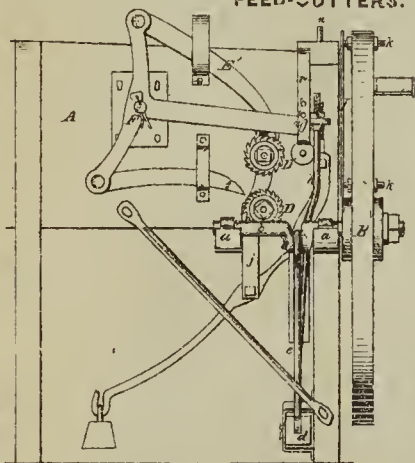
110,832 WILLIAM W. CROOM.
COTTON-SEED PLANTERS AND
GUANO-DISTRIBUTERS.



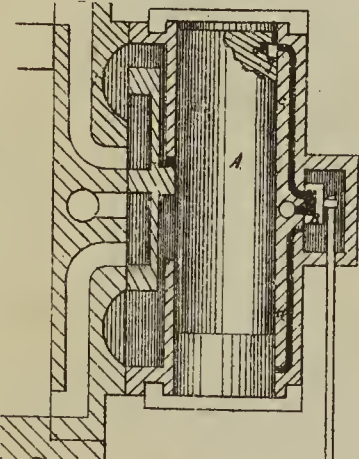
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MANUFACTURE OF ARTICLES FROM
PAPER PULP.



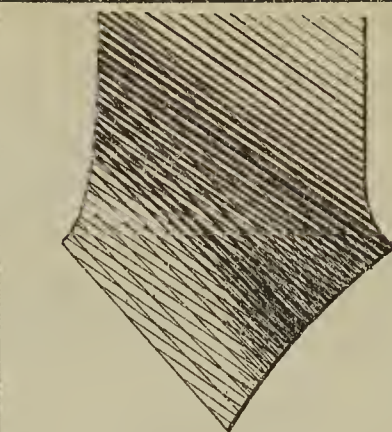
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FEED-CUTTERS.



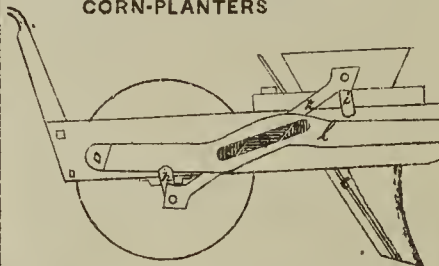
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STEAM-ENGINE VALVES.



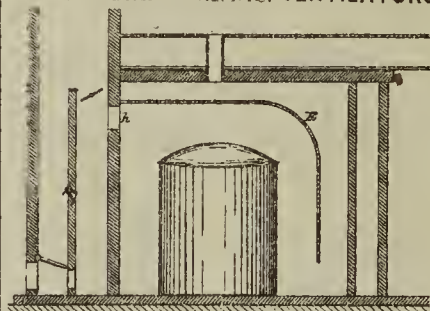
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CULTIVATORS.



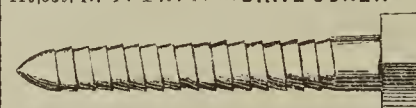
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CORN-PLANTERS



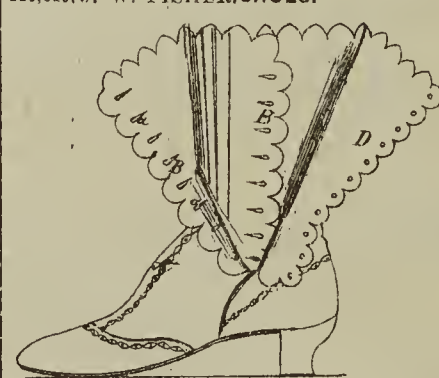
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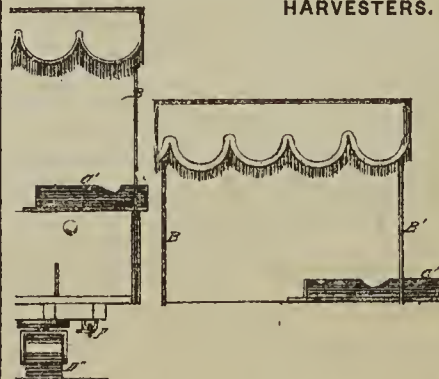
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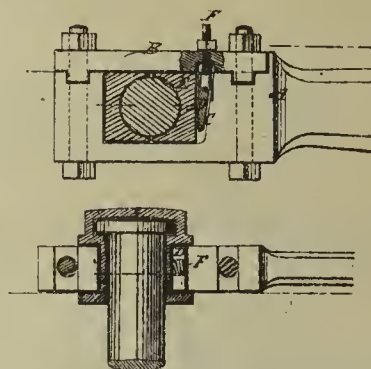
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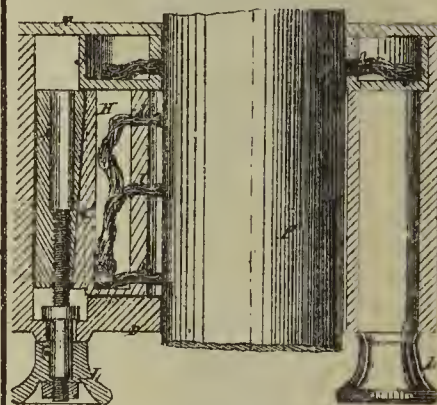
110,841 ABRAHAM ^{his} FREED.
^{mark} JONATHAN SNOOK.
BINDING ATTACHMENTS FOR
HARVESTERS.



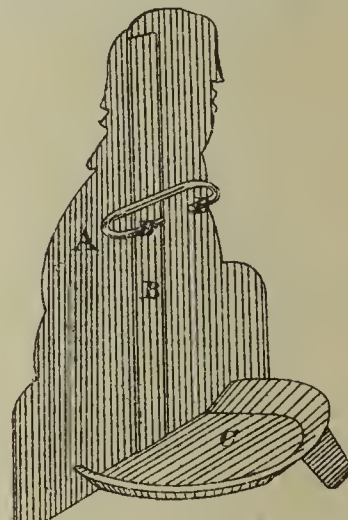
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CONNECTING-RODS.



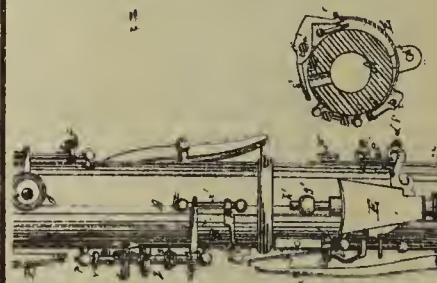
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MILL-BUSHES.



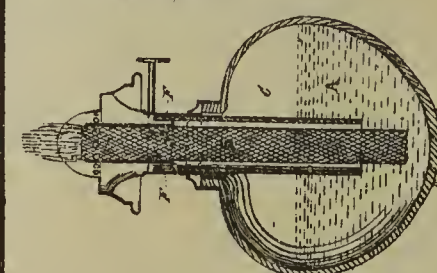
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FIRE-SCREENS AND STANDS.



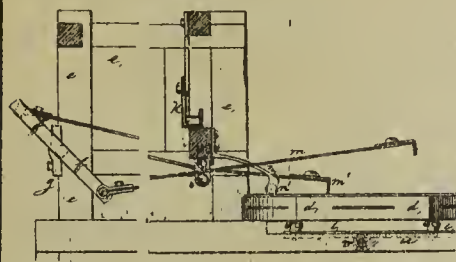
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110,846, GEORGE P. FULLER.
LAMP-BURNERS.



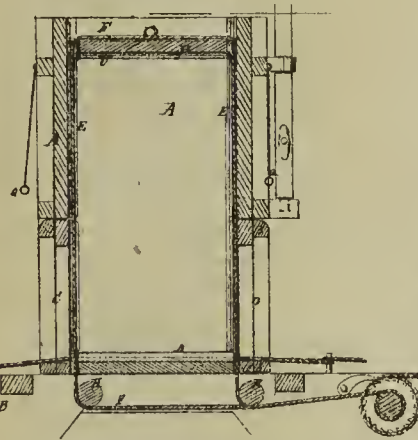
110,847. MARCUS B. GOULD.
HIDE-WORKING MACHINES.



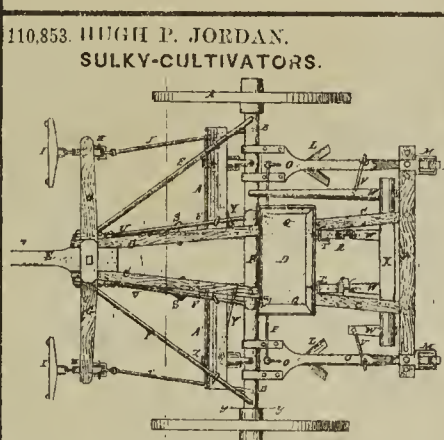
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HAMES-FASTENINGS.



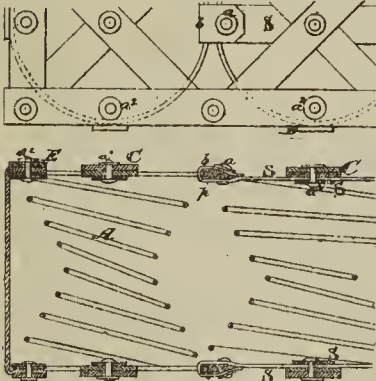
110,849. FINLAY F. HAMILTON.
HAY-PRESSES.



110,852. CARLETON B. HUTCHINS.
ARTIFICIAL STONE FOR PAVEMENTS,
WALKS, FLOORS, &c.



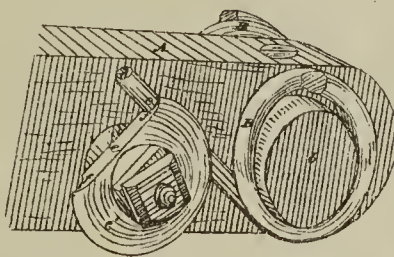
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BED-BOTTOMS.



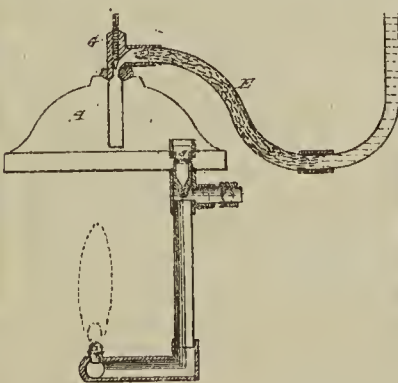
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NEEDLE-SETTERS AND THREADERS FOR
SEWING-MACHINES.



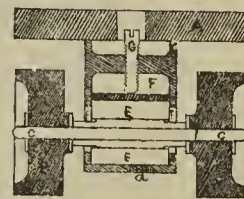
110,856. DE LANCY KENNEDY.
DEVICES FOR SECURING THE TINES OF
HAY-TEDDERS.



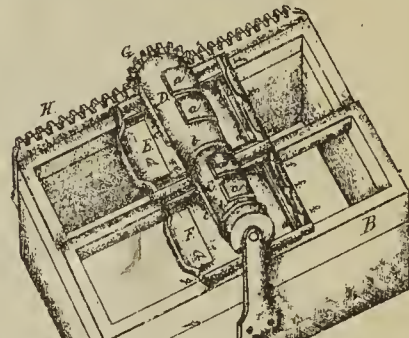
110,857. JOSHUA KIDD.
APPARATUS FOR GENERATING AND
BURNING VAPOR FROM HYDRO-
CARBONS.



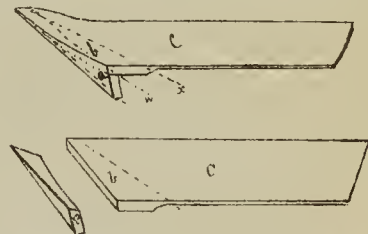
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ROLLER-SKATES.



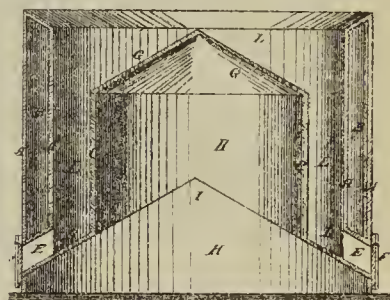
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ROOFING-TILE PRESSES.



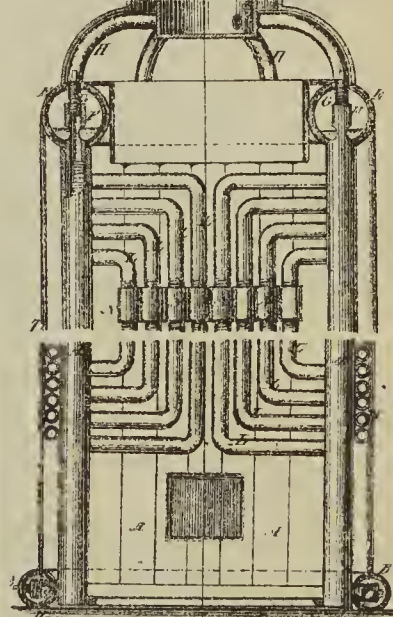
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110,861. PHILIP LE GOULLON
GRAVEL AND SAND-HEATERS.

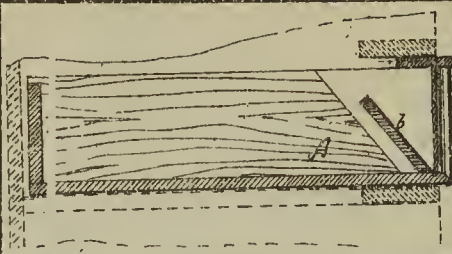
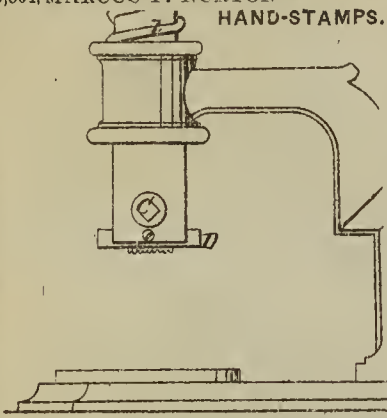
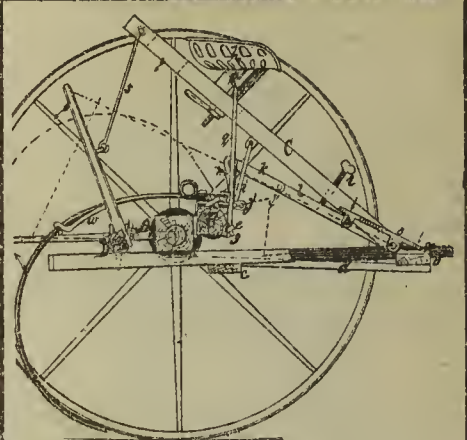
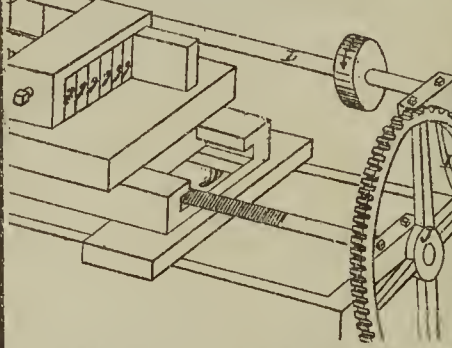


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STEAM-GENERATORS.

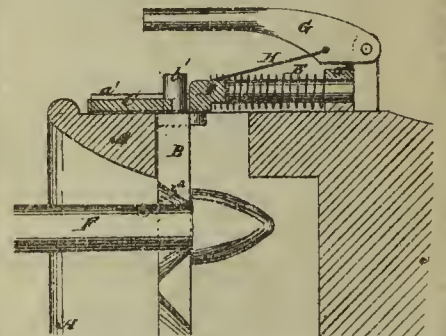
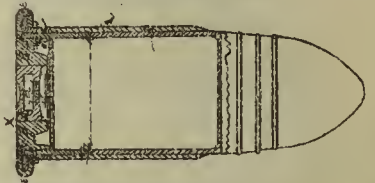
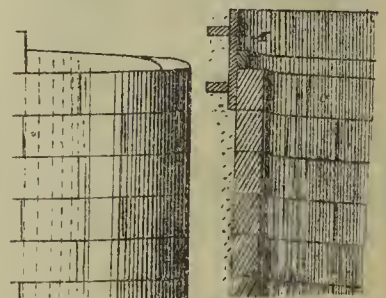
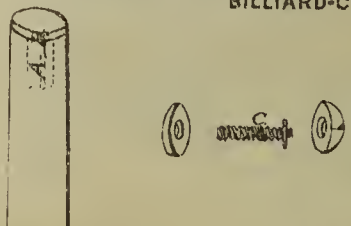
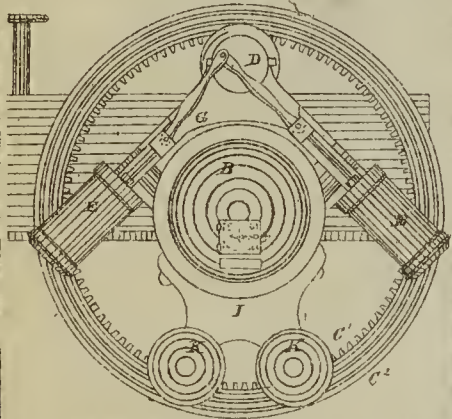
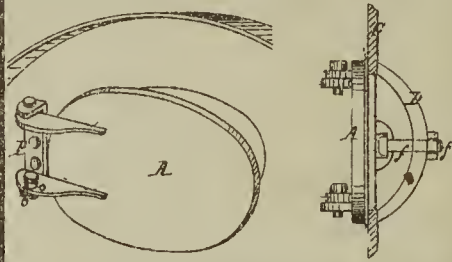
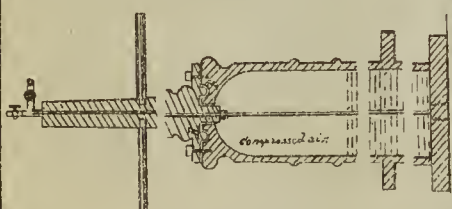
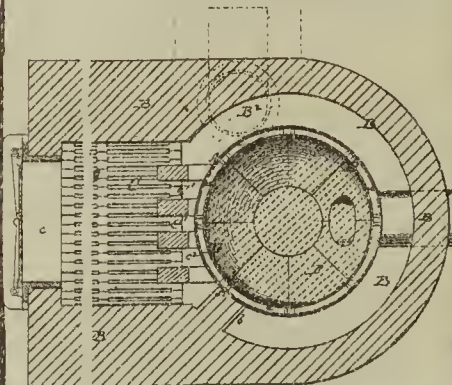


110,863. WM. H. MORSE.
CARRIAGE-CURTAIN FASTENERS.



110,864, MARCUS P. NORTON
HAND-STAMPS.110,871 IRA ROOD.
LATHES FOR TURNING WOOD.

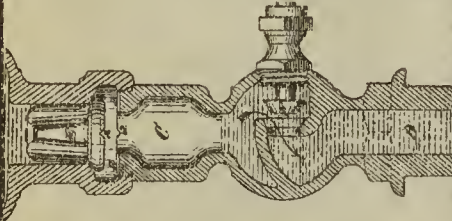
110,877 CANCELED.

110,878, WM. H. TOWERS.
METHODS OF COATING SAD-IRONS, &c.110,879 EDWARD B. TOWLE.
THIMBLES.110,880, GEORGE H. WEEKS.
CAR-COUPINGS.110,881, ROLLIN WHITE.
METALLIC CARTRIDGES.110,882, HENRY WHITESTONE.
CURBING FOR EXCAVATIONS.110,883 OLIVER C. WILBUR, JR.
FASTENINGS FOR THE TIPS OF
BILLIARD-CUES.110,865, T. T. PROSSER.
TRACTION-ENGINES.110,872, JOHN D. SANSOM.
MAN-HOLE PLATES FOR STEAM-BOILERS.110,866, FRANCIS M. RANDELL.
APPARATUS FOR SUPPLYING NAPHTHA
TO VAPOR-BURNING STREET-LAMPS.110,873, GEORGE SINCLAIR.
APPARATUS FOR BOILING AND
TREATING PAPER-STOCK.

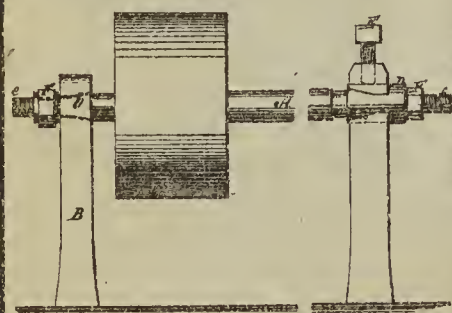
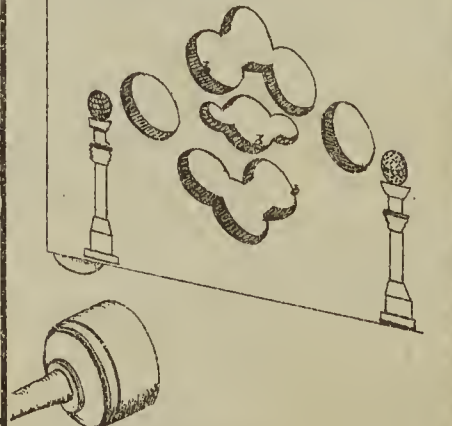
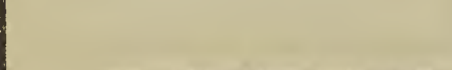
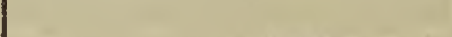
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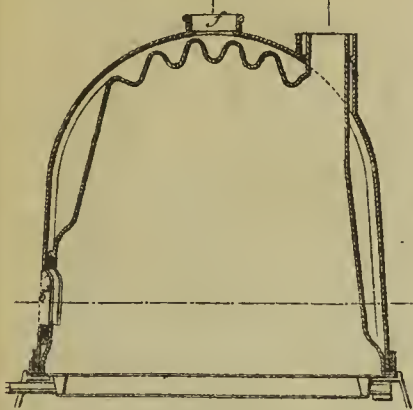
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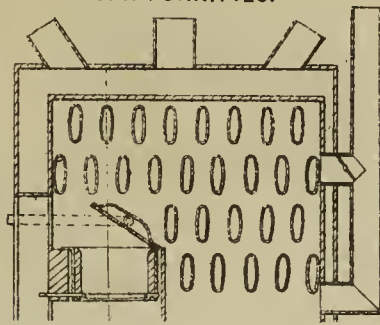
110,874, ANDREW H. SMITH. PISTONS.

110,869 ELIAS C. RISHEL.
DENTAL LATHES.110,875, JOHN W. SMITH.
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DRAWERS FOR STORES.110,876, J. C. STODDARD.
HORSE HAY-RAKES.

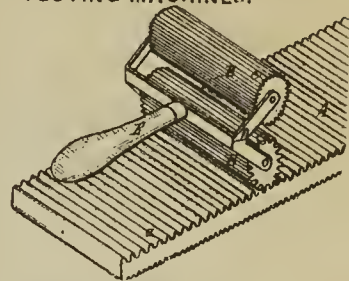
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BOILERS FOR HEATING.



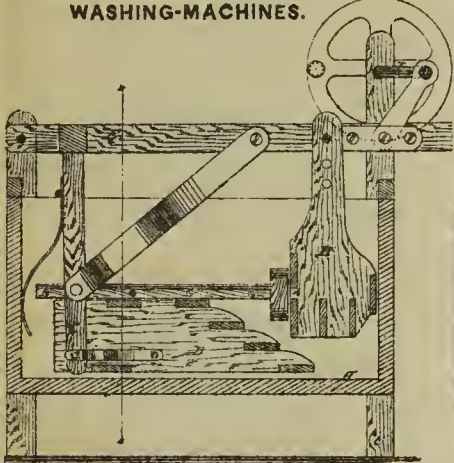
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HOT-AIR FURNACES.



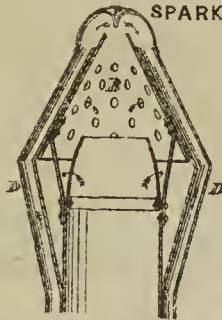
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FLUTING-MACHINES.



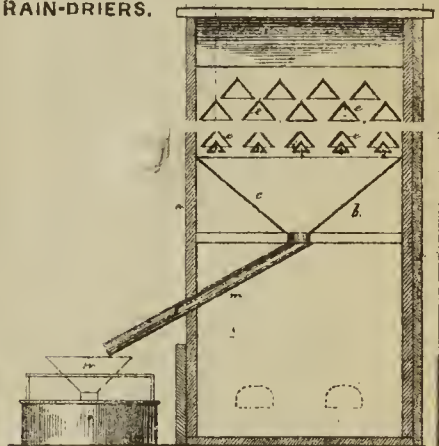
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WASHING-MACHINES.



110,890. DARWIN BEACH.
SPARK-ARRESTERS.



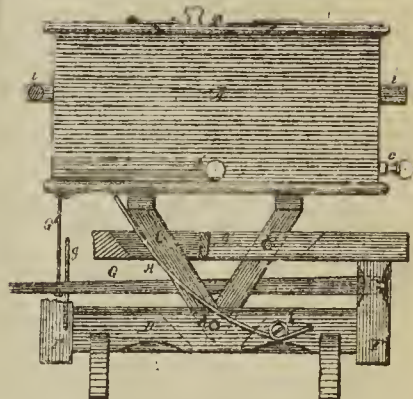
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GRAIN-DRIERS.



110,891. T. W. BRACHER.
EMBOSSING HAT-LININGS.



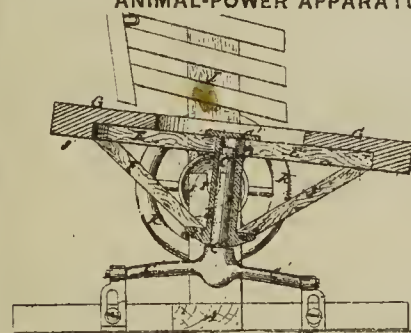
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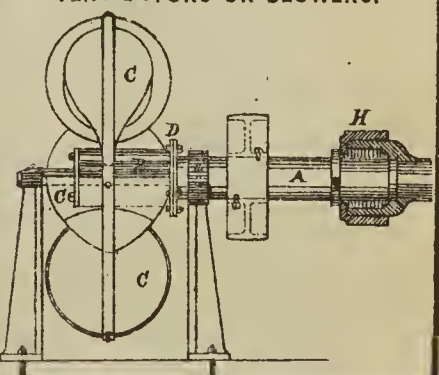
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SNOW-SHOVELS.



110,892. ORVILLE M. BROCK.
ANIMAL-POWER APPARATUS.



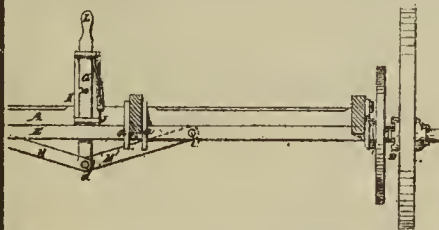
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VENTILATORS OR BLOWERS.



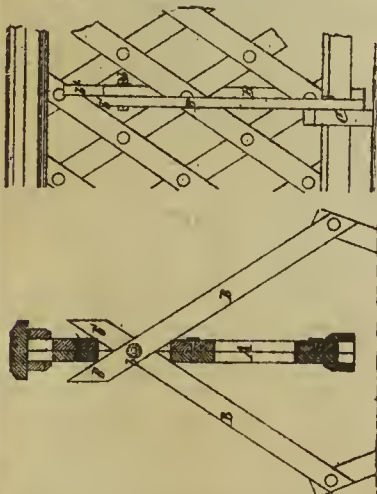
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CHARGERS FOR SHOT-POUCHES.



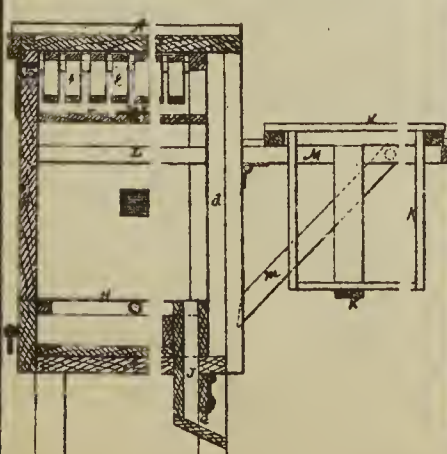
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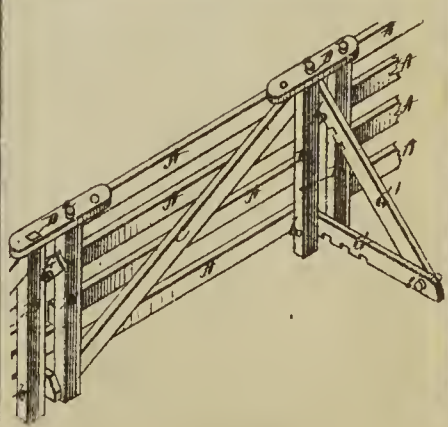
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MYRON MOREHOUSE.
FENCES.

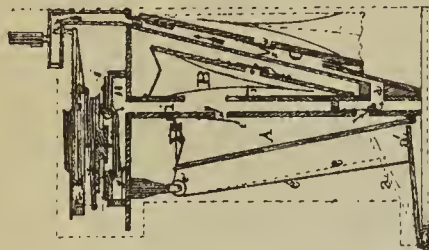
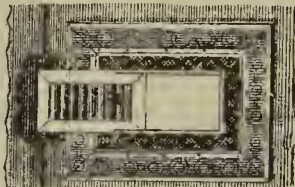
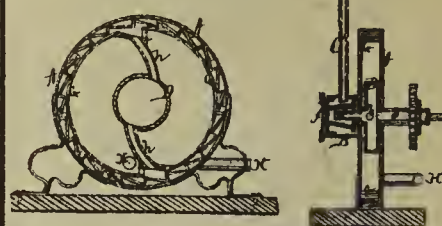
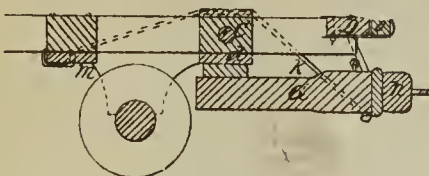
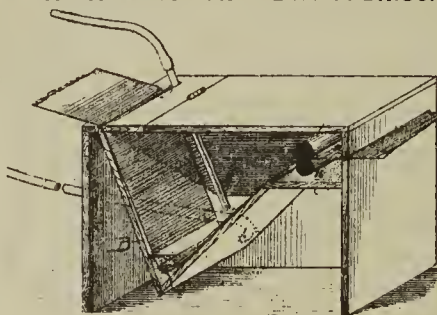
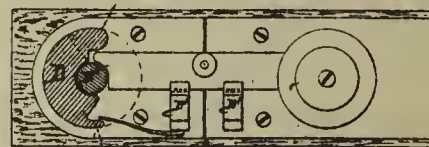


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FRANCIS A. McCALLEN.

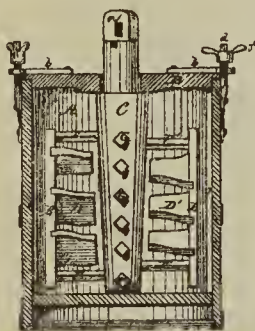
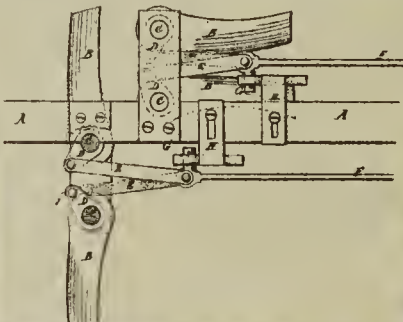
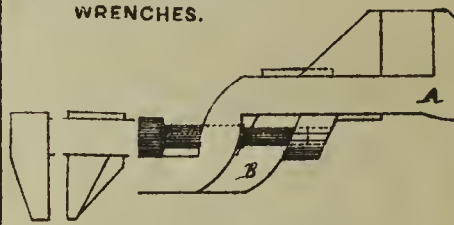
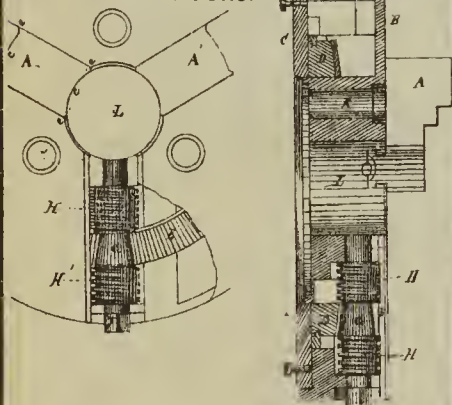
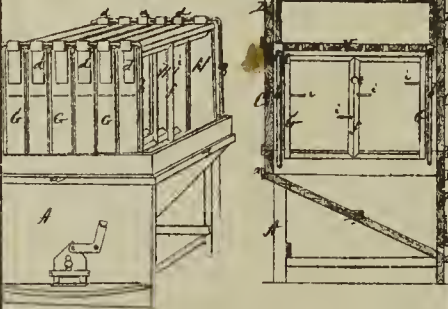
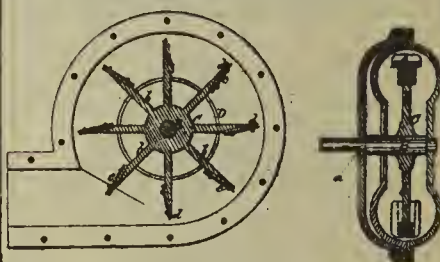


110,899. THOMAS C. COLLINS. FENCES.

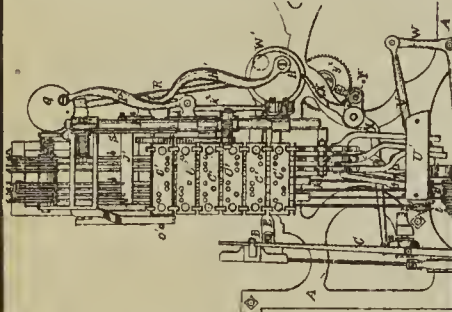


110,900, JAMES CORDLEY.
PARLOR-ORGANS.110,906, JNO. M. DEXTER.
RAILROAD-CAR VENTILATORS.110,912, SAMUEL GIBSON.
ROTARY ENGINES.110,901, R. A. COWELL.
RAILWAY-CAR PLATFORMS.110,907, THOMAS M. DROWN.
APPARATUS FOR DYEING FABRICS.110,913, EBENEZER A. GOODES.
SHUTTER-FASTENERS.

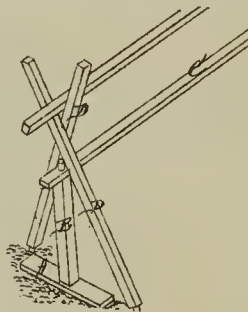
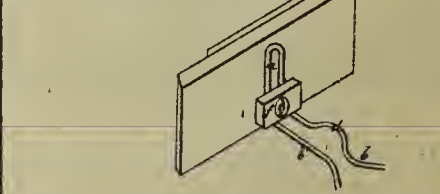
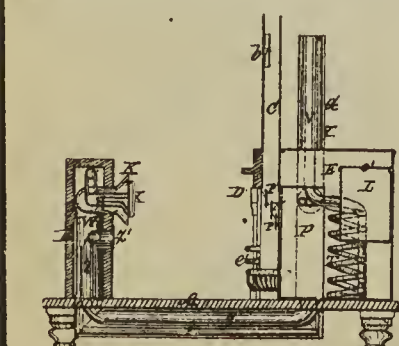
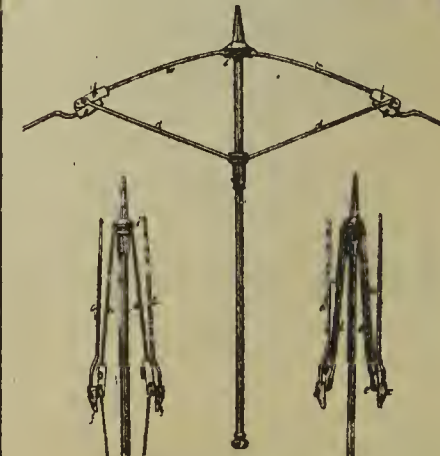
110,902, JOHN GRAM. CHURNS.

110,908, EDGAR ELTINGE, JOHN C. BRODHEAD.
PROPELLERS.110,914, JOHN GOODIN.
WRENCHES.110,903, AUSTIN F. CUSHMAN.
LATHE-CHUCKS.110,909, THOMAS S. ENGLENDOW.
BEE-HIVES.110,915, GARDNER C. HAWKINS.
AIR-ENGINES OR FAN-BLOWERS.110,916, LOUIS HOUCKE.
COFFEE-ROASTERS.

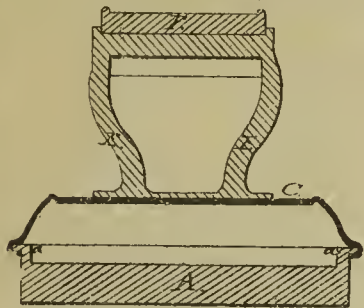
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110,910, ADMIRAL FAULKNER. FENCES.

110,917, ZADOK HOWE.
BROOM-HOLDERS.110,905, EDWARD MORTIMER DEEY.
VENTILATORS.110,911, KASSON FRAZER.
SHAFT-TUGS.110,918, ALGERNON S. HUBBELL.
JOINTS FOR FRAMES OF
FOLDING-UMBRELLAS.

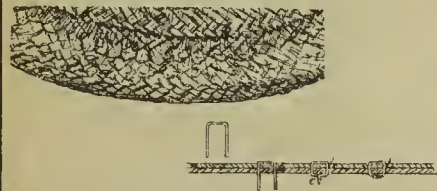
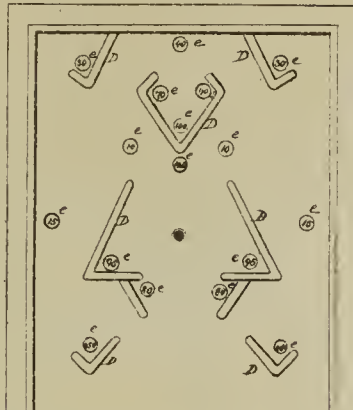
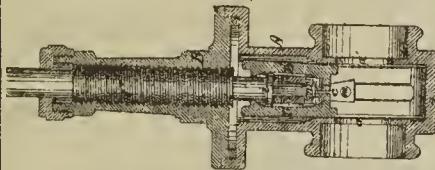
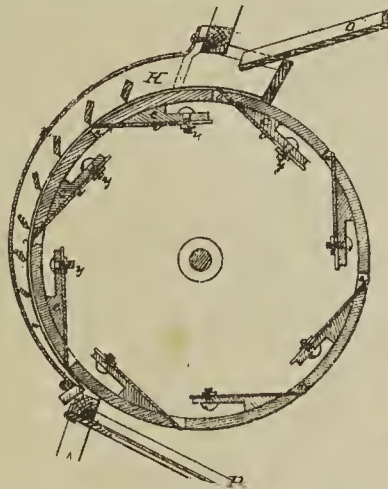
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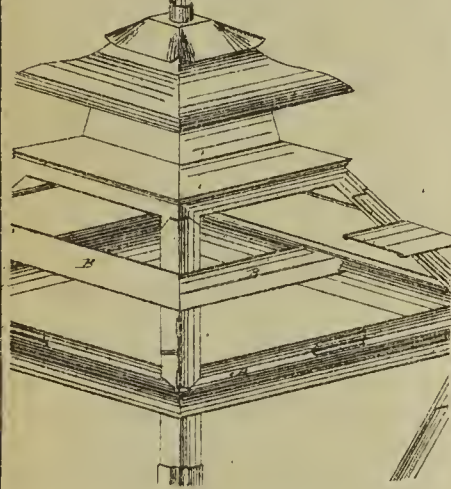
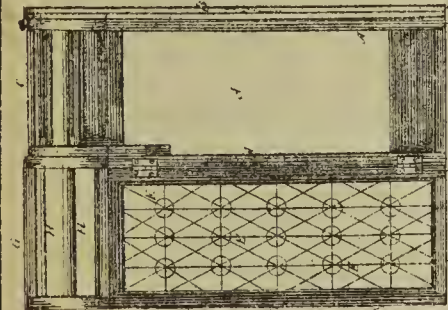
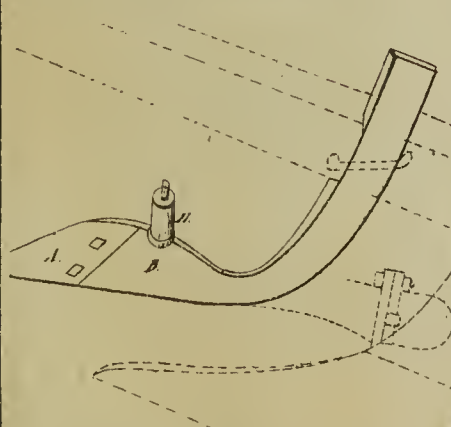
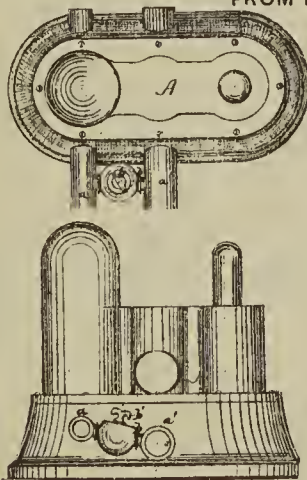
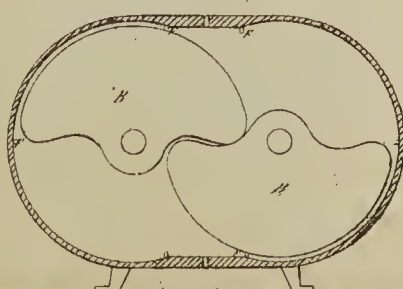
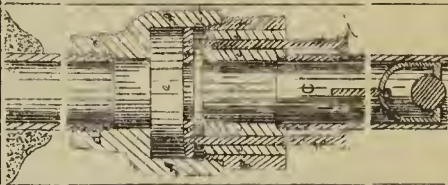
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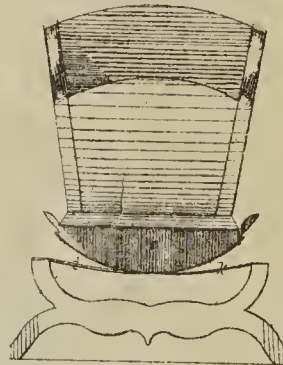
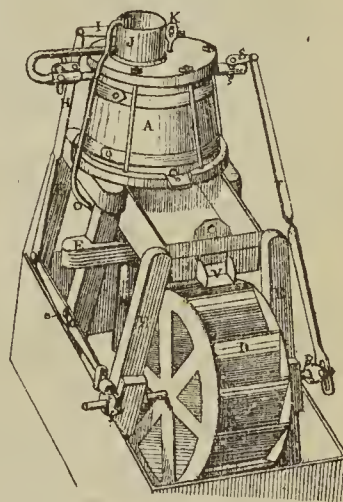
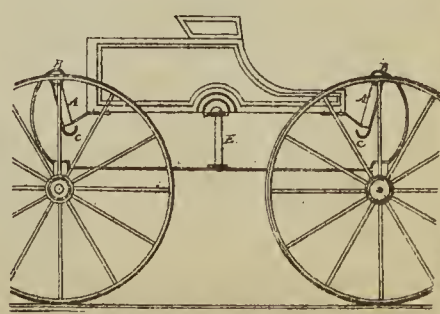
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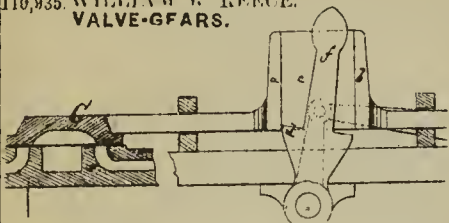
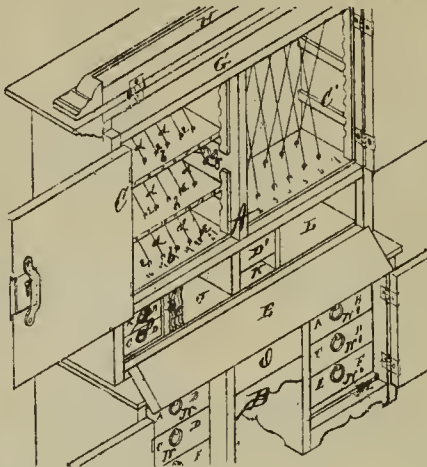
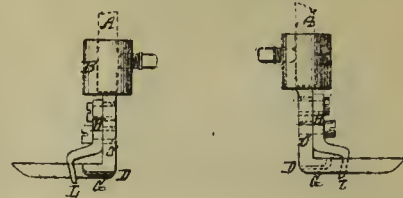
110,925. WILLIAM LOCKHEAD.
BILLIARD-TABLES.110,926 HENRY G. LUDLOW. 2D.
SLIDING STOP-VALVES.110,927. ISAAC MAYFIELD.
W. D. MAYFIELD.
GRINDING-MILLS.

110,922. JOHN F. KERNS. STREET-LAMPS.

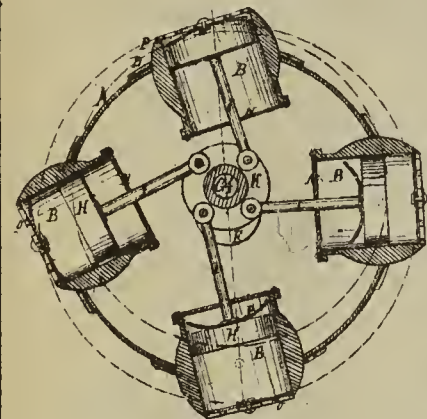
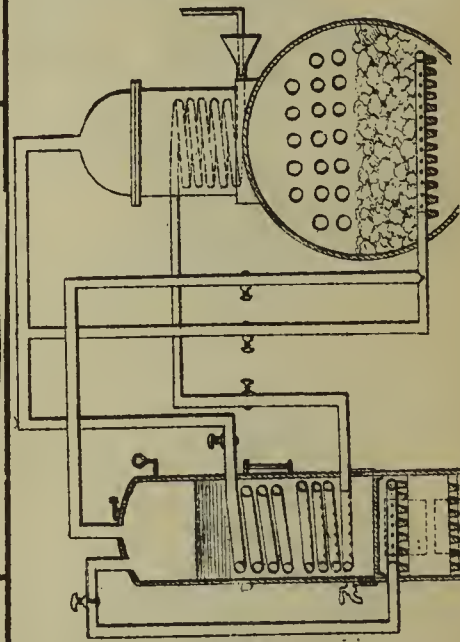
110,923. OSWALD KUBITSCHKY.
LOUNGES.110,924 JOHN M. LEONARD.
PLOWS.110,928 JOHN MAYHER.
REGULATING THE DISCHARGE OF WATER
FROM PUMPS.110,929 HENRY C. McLEWAIN.
ALONZO BRUMFIEL.
ROTARY BLOWERS110,930. HENRY MILLINGAR.
VALVES FOR OIL-PUMPS.

110,931. ALBERT H. ORDWAY CRADLES.

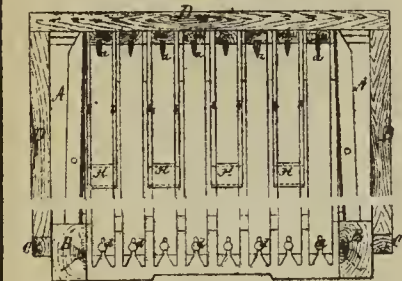
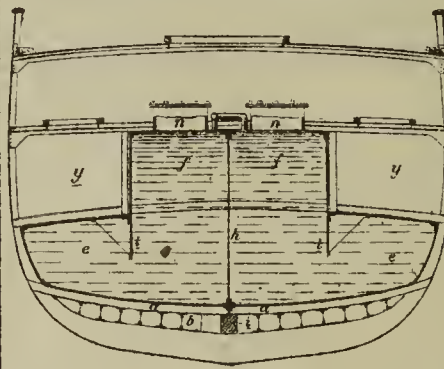
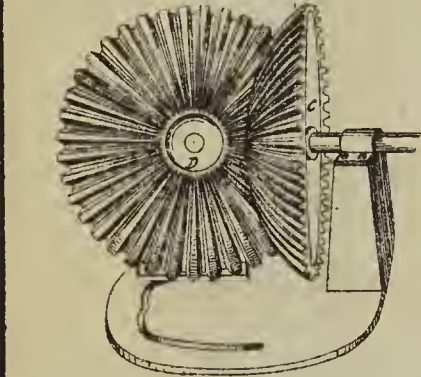
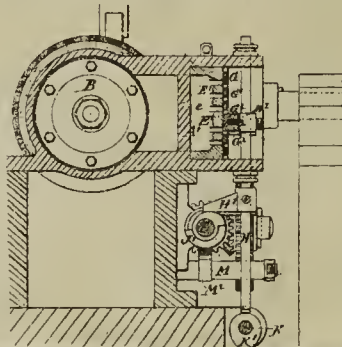
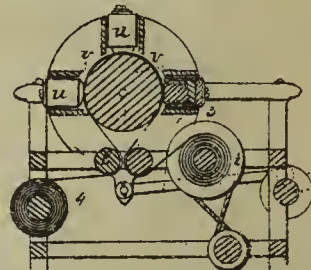
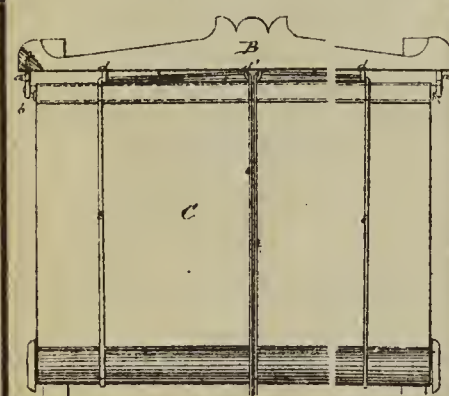
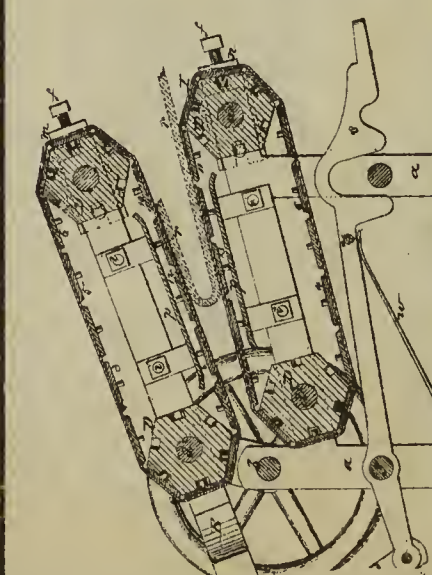
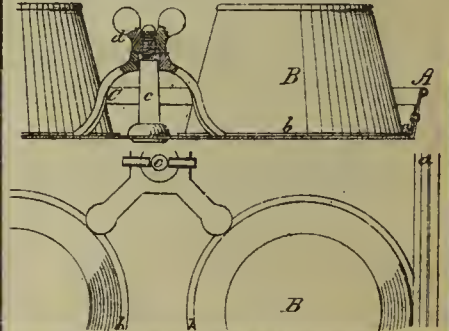
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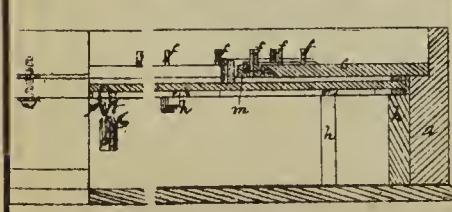
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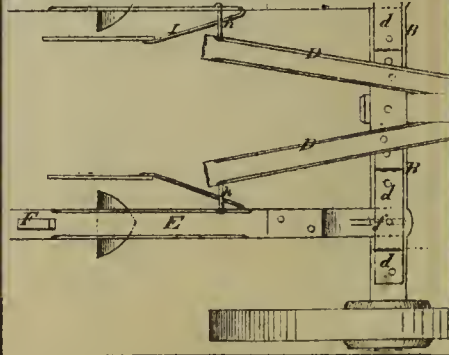
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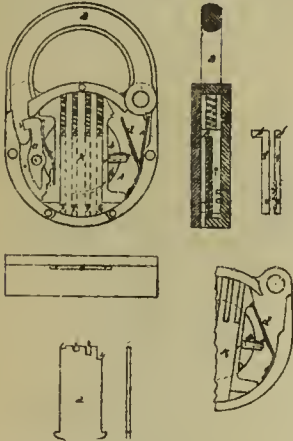


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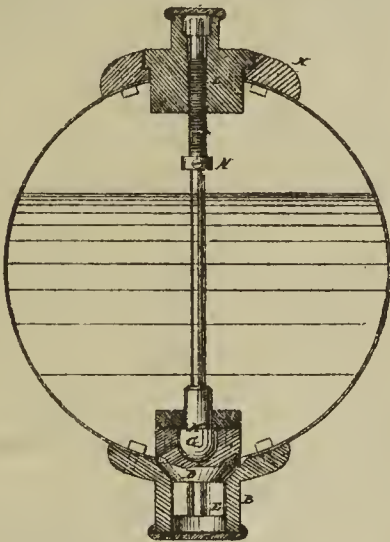


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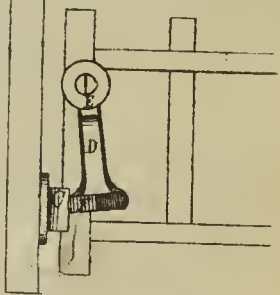
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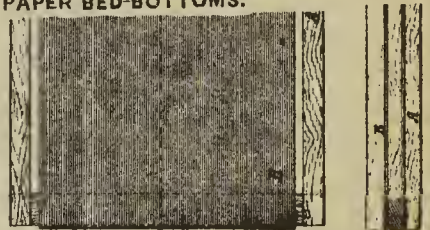
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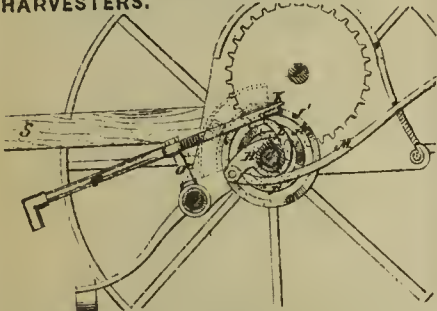
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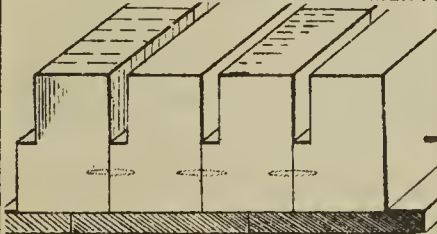
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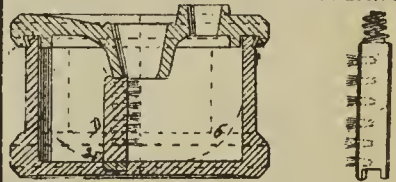
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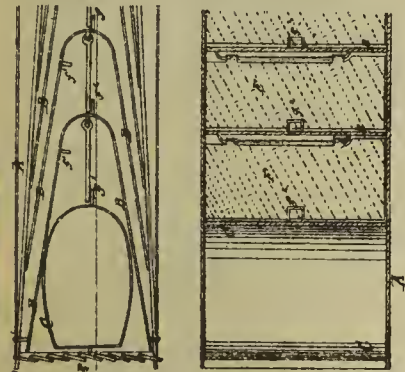
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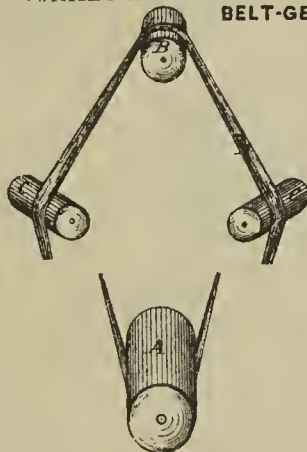
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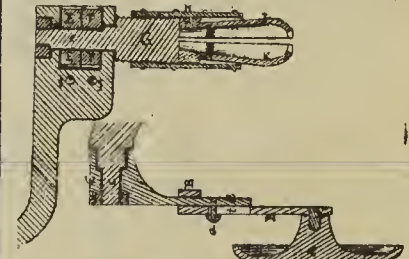
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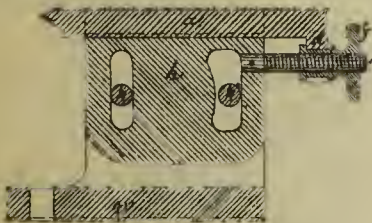
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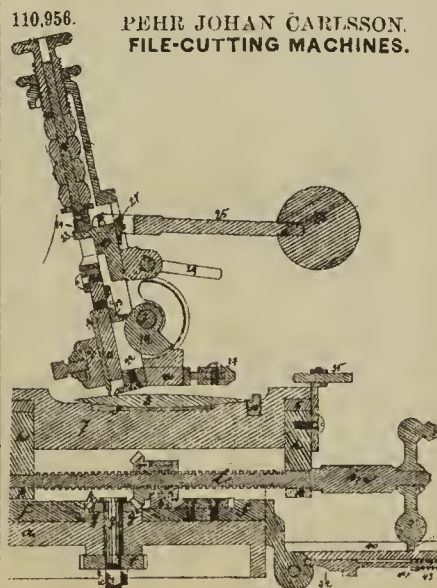
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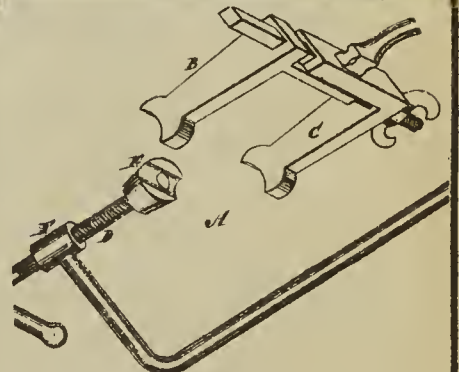
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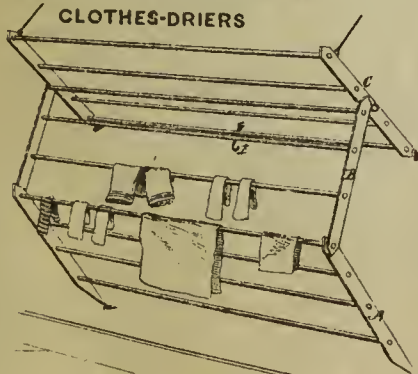
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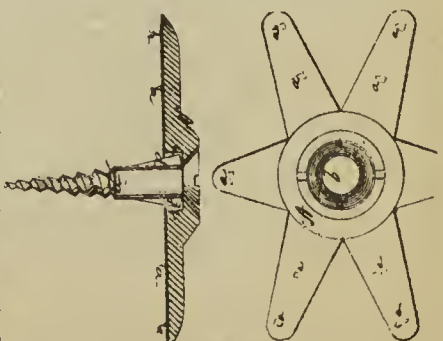
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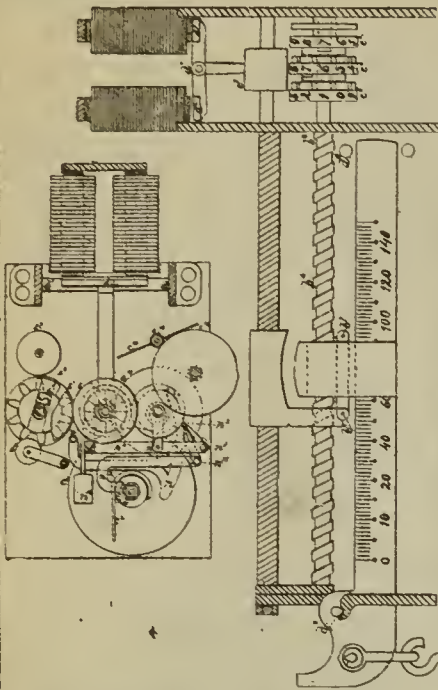
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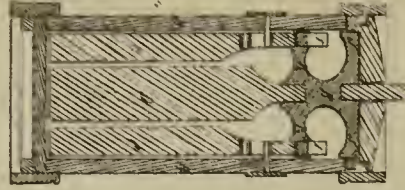
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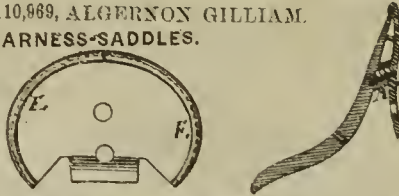
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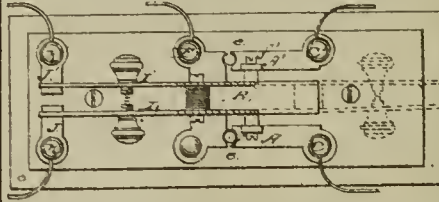
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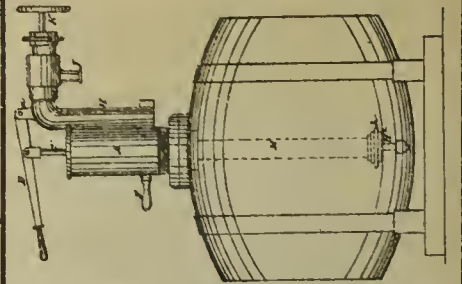
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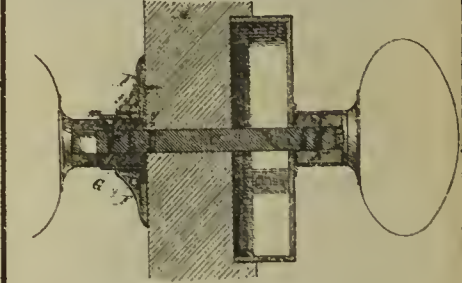
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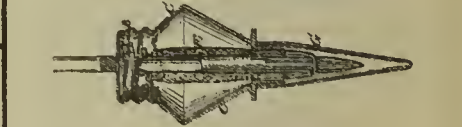
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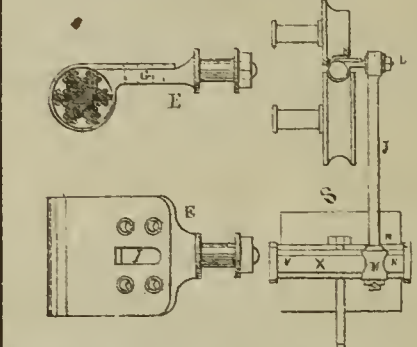
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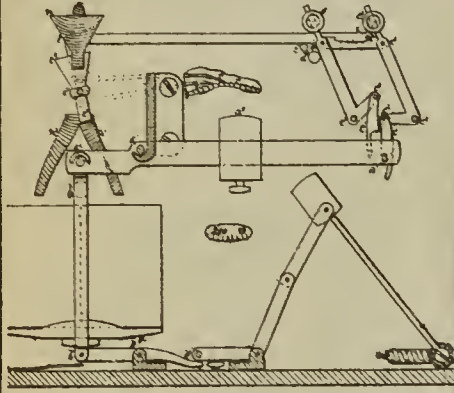
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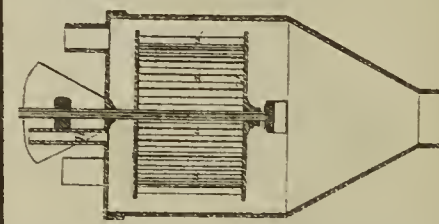
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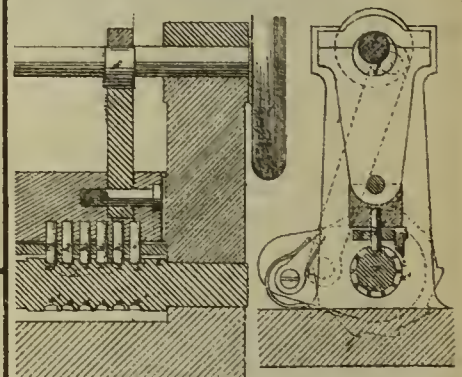
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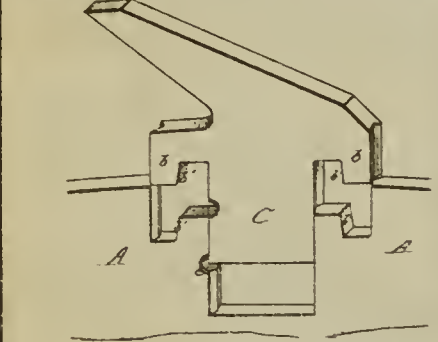
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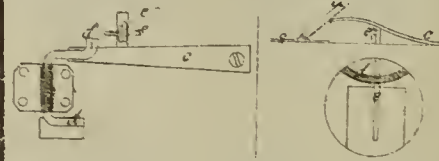
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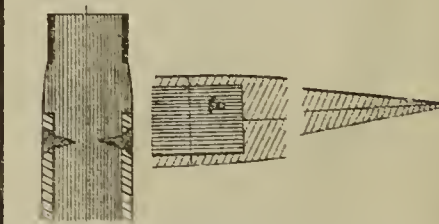
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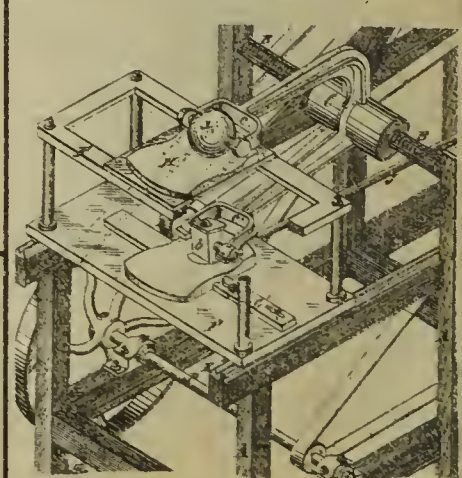
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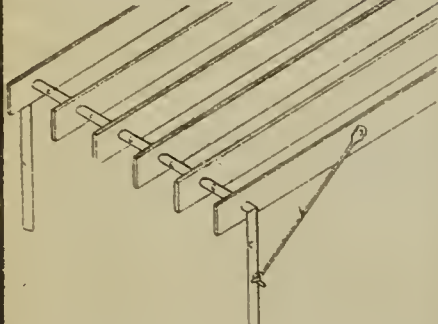
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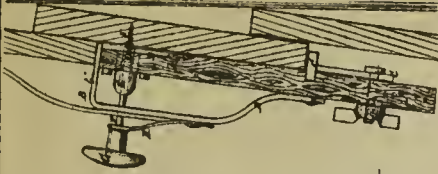
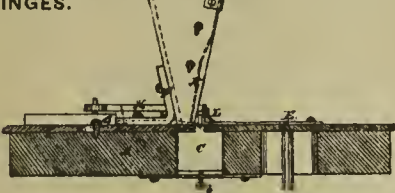


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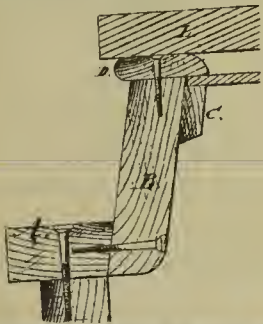
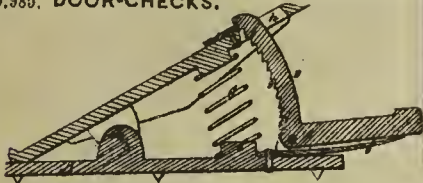


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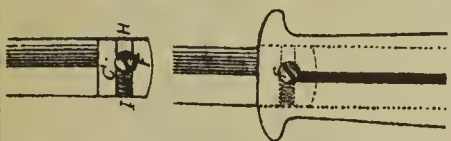
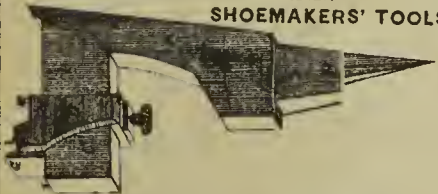
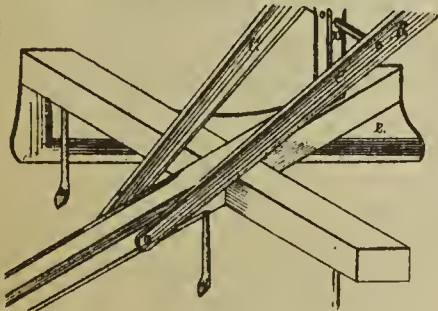
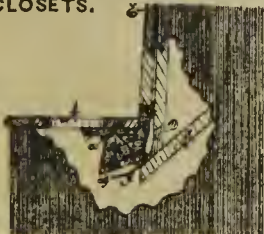
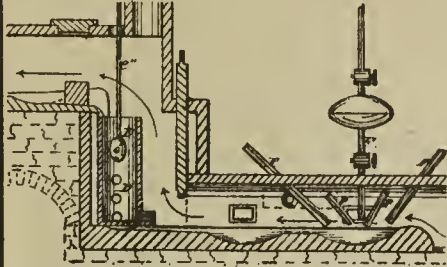


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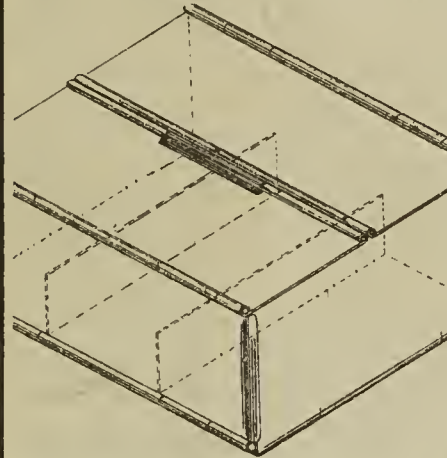
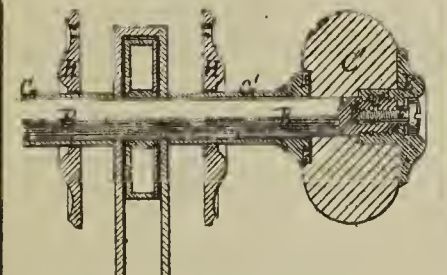
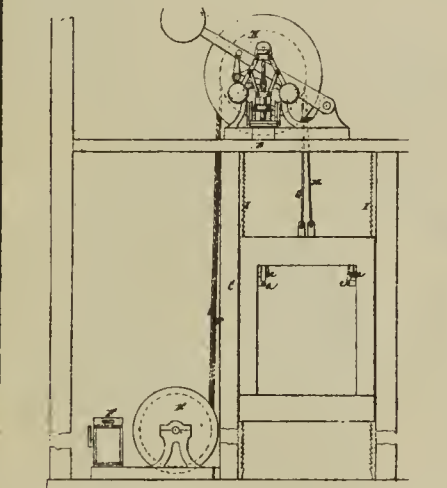
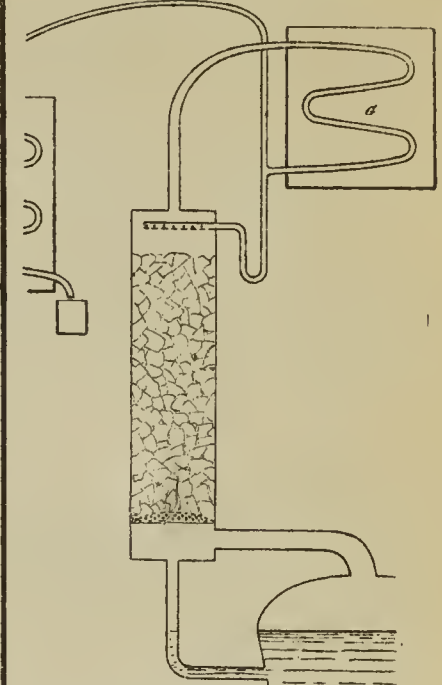
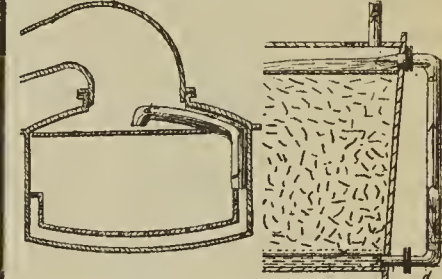
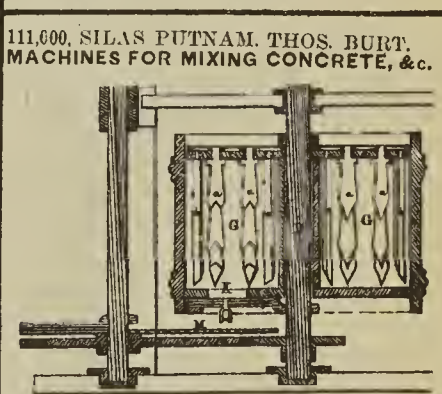
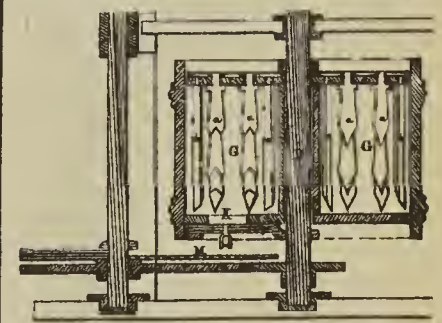
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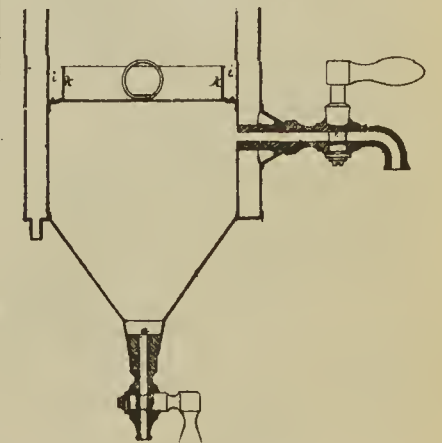
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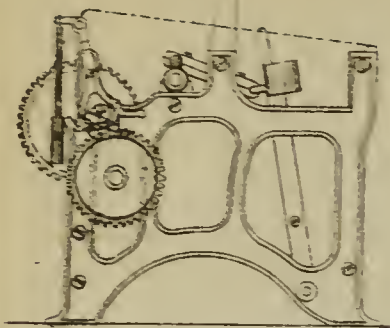
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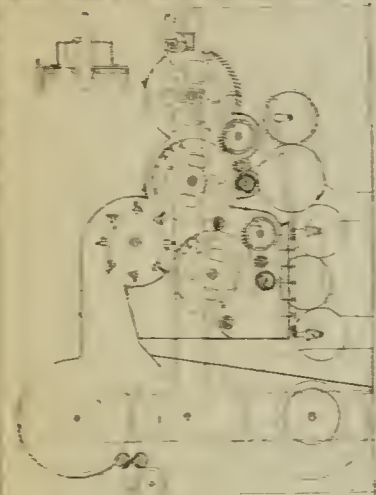
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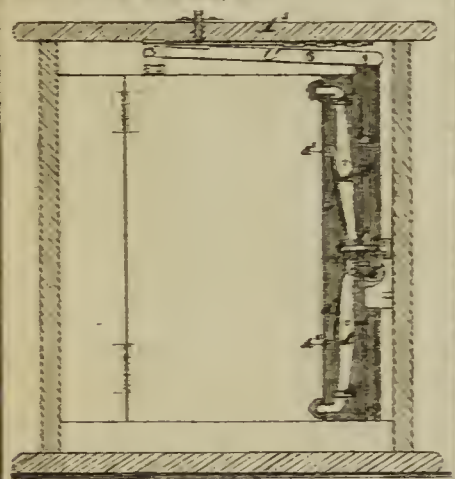
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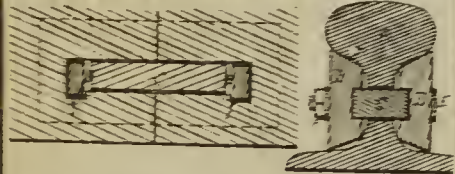
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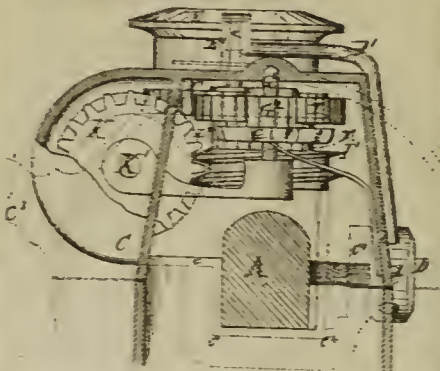
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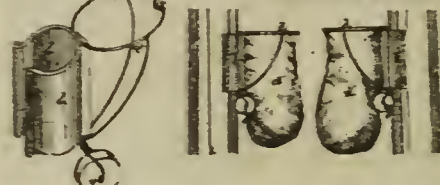
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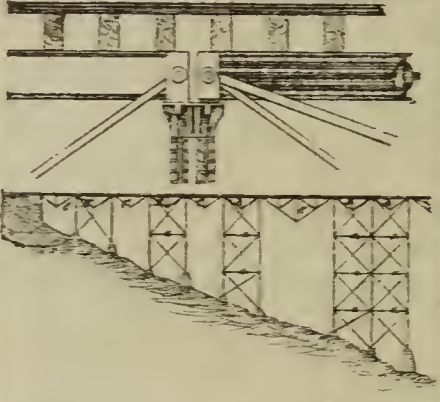
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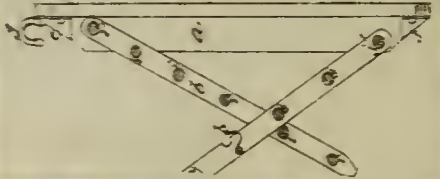
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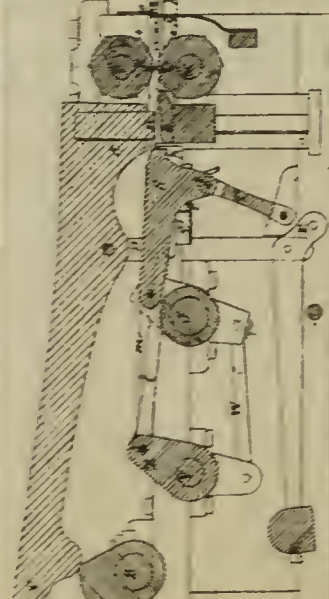
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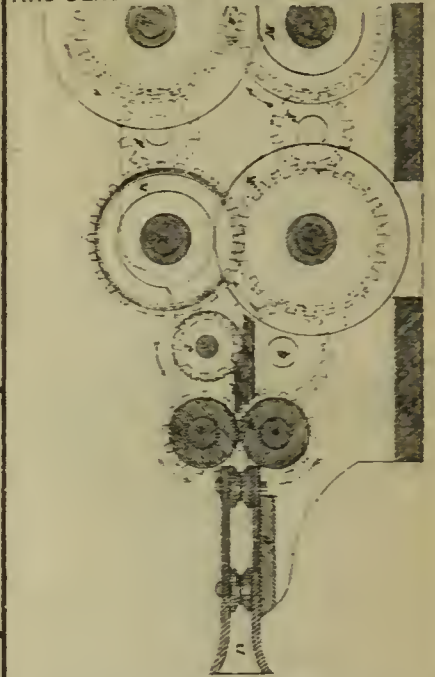
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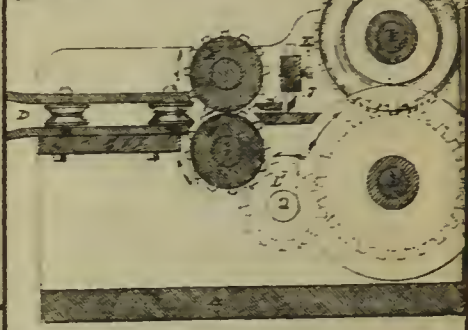
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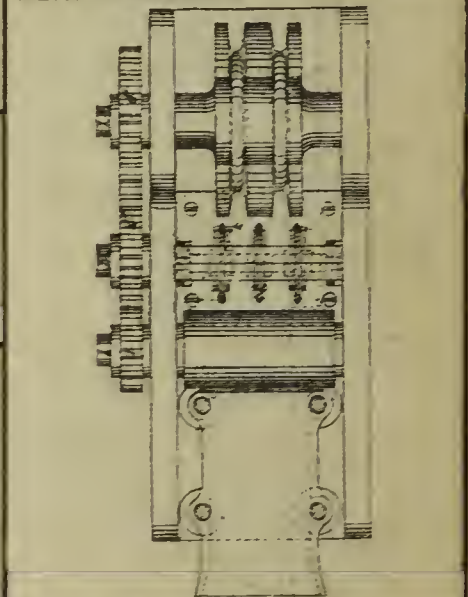
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MACHINES FOR SLITTING, BEVELING,
AND BENDING METAL-TUBE SKELPS.



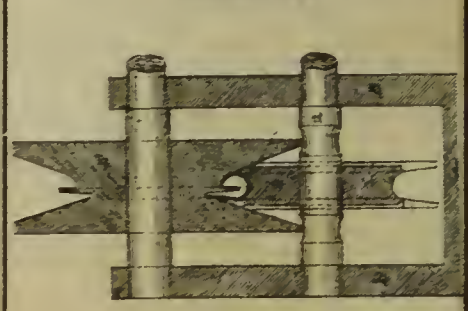
111,015. STEPHEN P. M. TASKER.
MACHINES FOR SLITTING, BEVELING, AND
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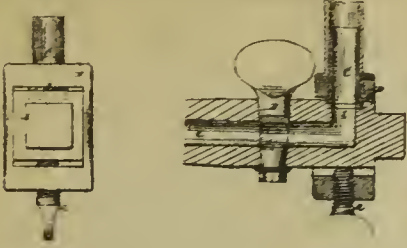
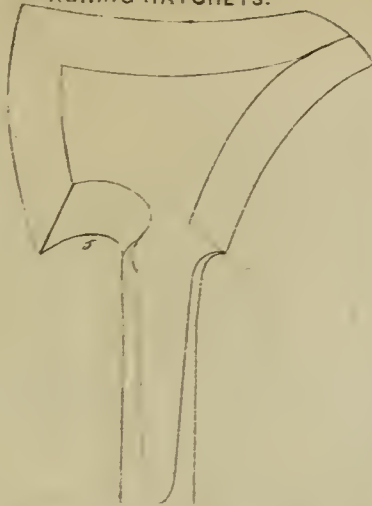
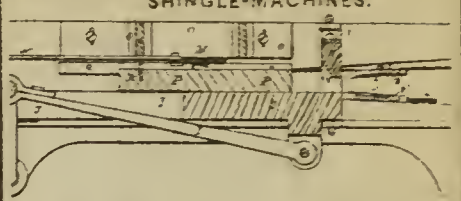
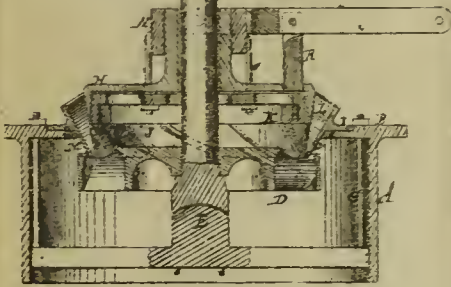
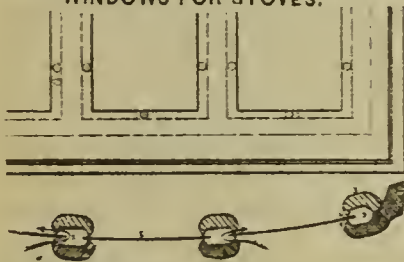


111,016. STEPHEN P. M. TASKER.
MACHINES FOR SLITTING AND BENDING
METAL-TUBE SKELPS.

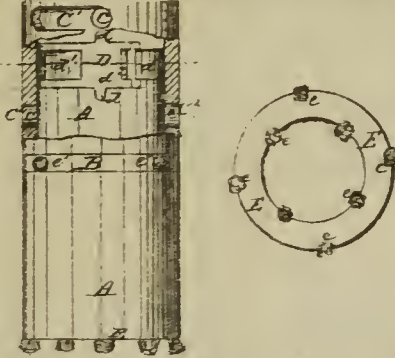
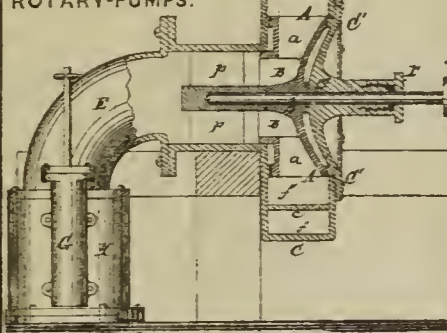
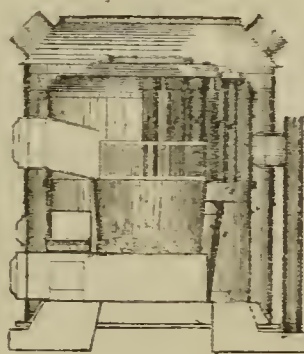
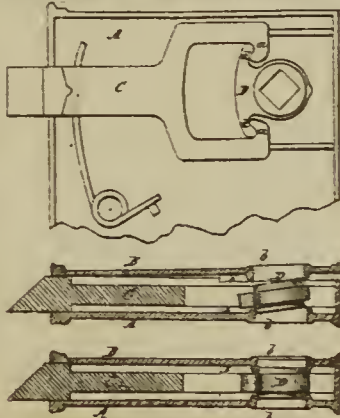


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MACHINE FOR BENDING METAL
TUBE-SKELPS.



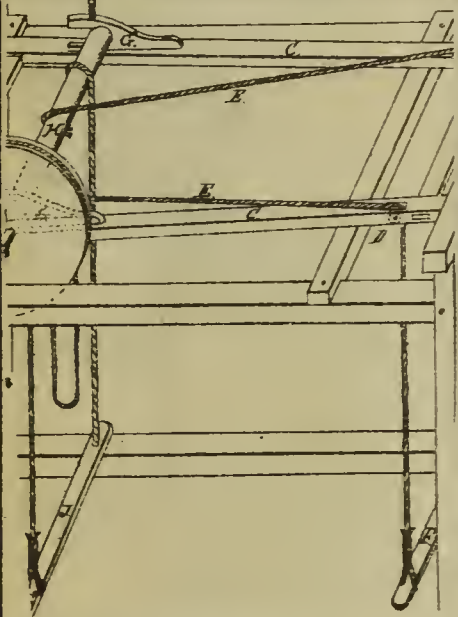
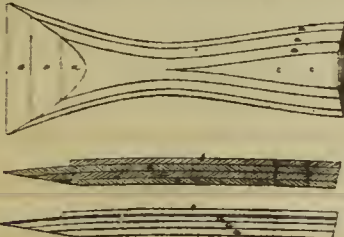
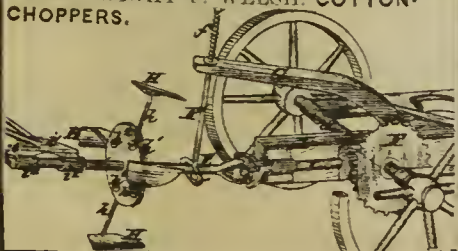
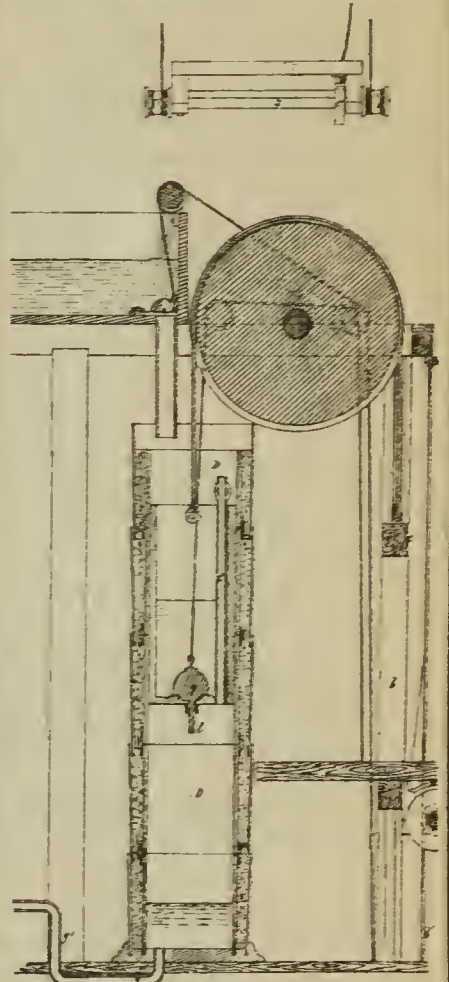
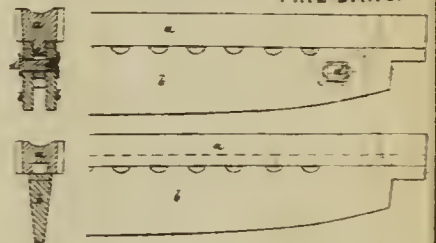
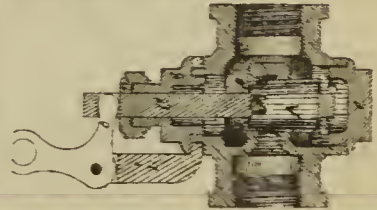
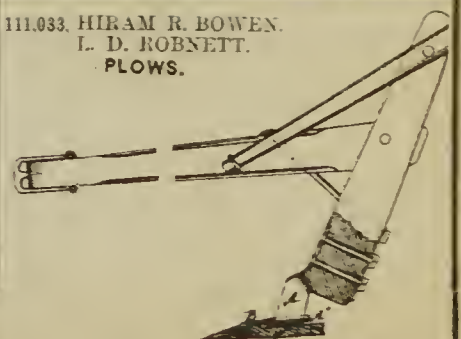
111,018. SAMUEL THOMPSON. FAUCETS
FOR BEER OR OTHER BARRELS.111,024. JERISON WHITE.
PRUNING HATCHETS.111,029. HOLIDAY C. BARRETT.
SHINGLE-MACHINES.111,019. JACOB W. TRUAX.
WATER-WHEELS.111,020. H. B. VAN BENTHUYSEN.
WINDOWS FOR STOVES.

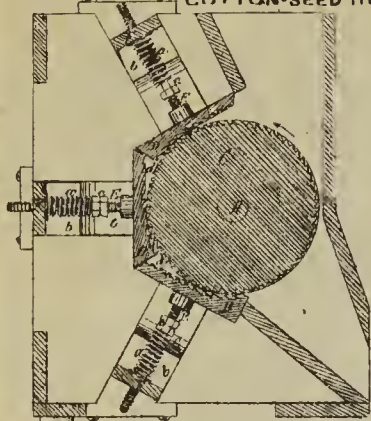
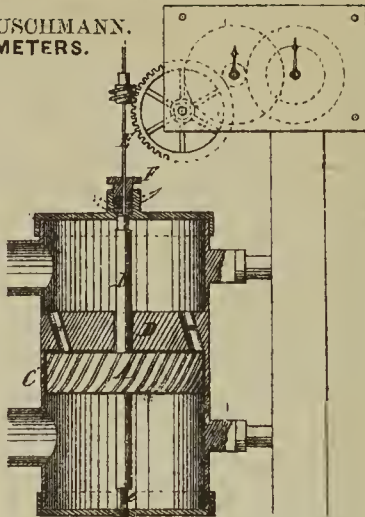
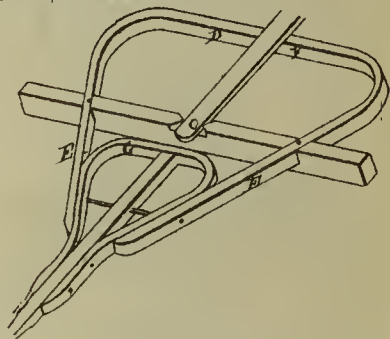
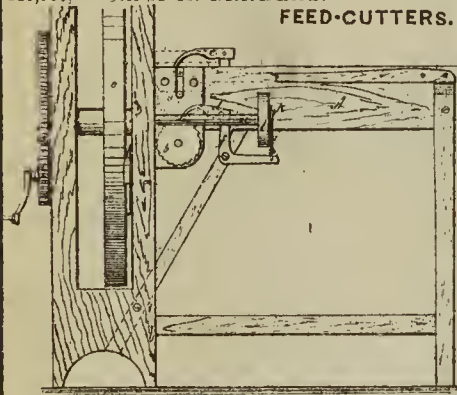
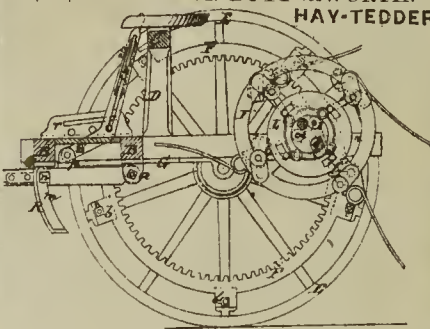
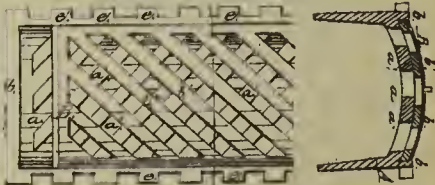
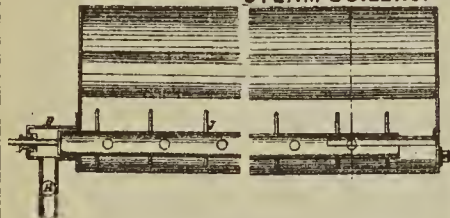
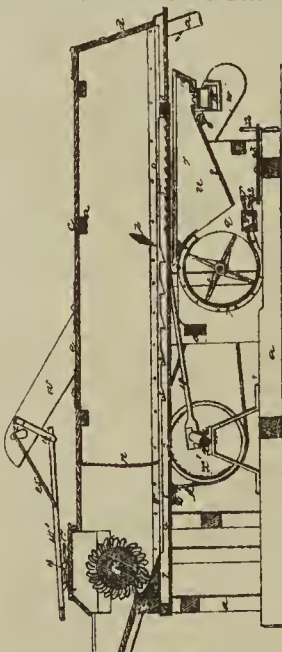
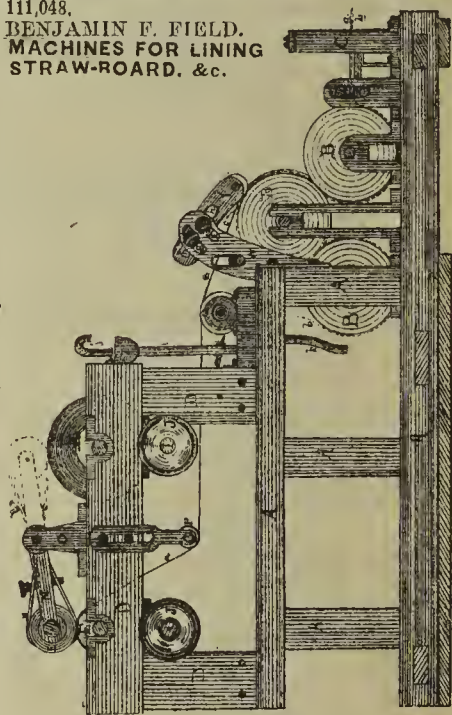
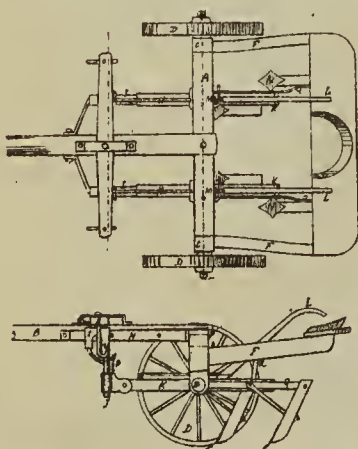
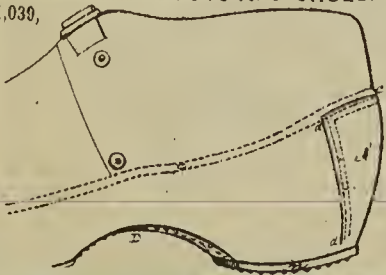
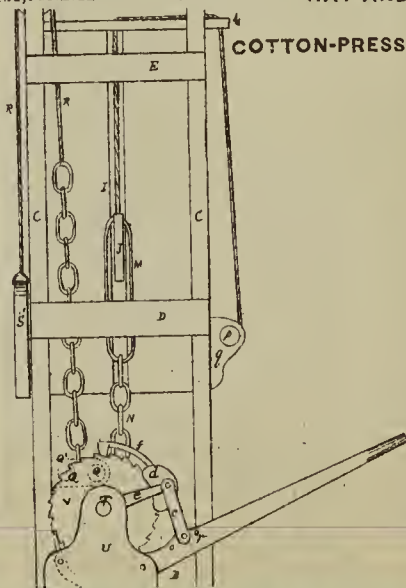
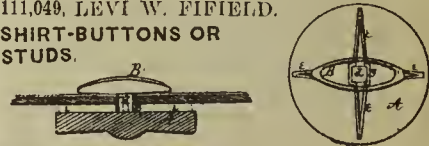
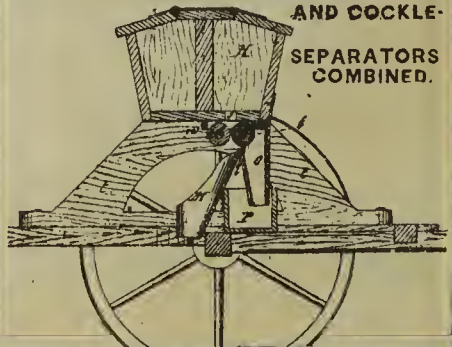
111,025. GEO. L. WILLIAMS. ROCK-DRILLS.

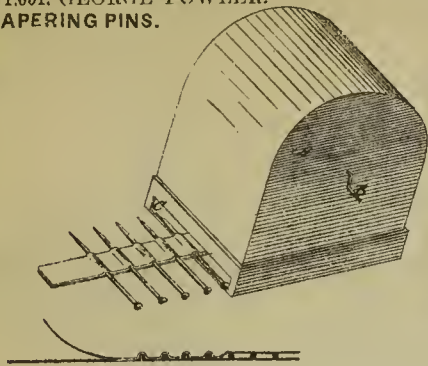
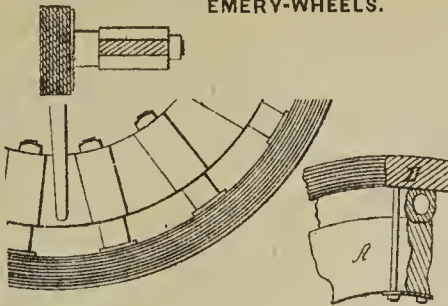
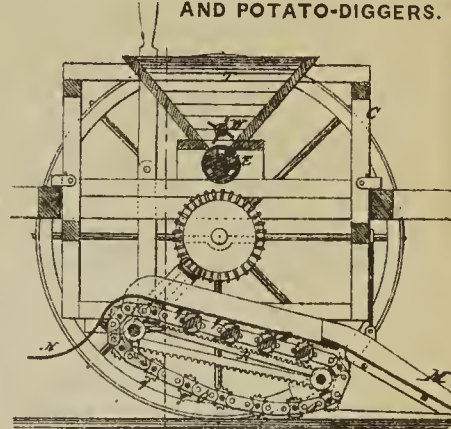
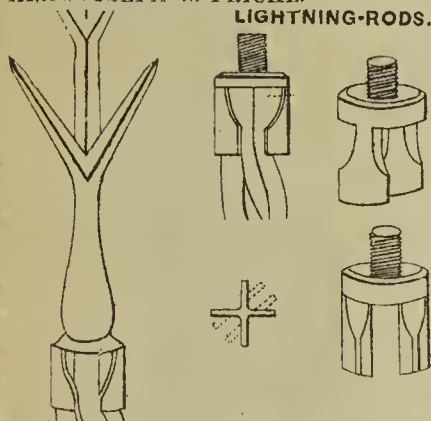
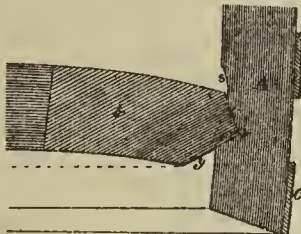
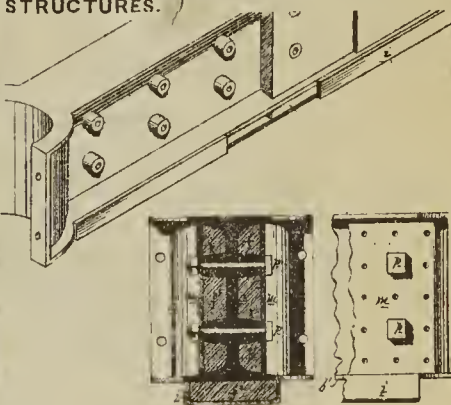
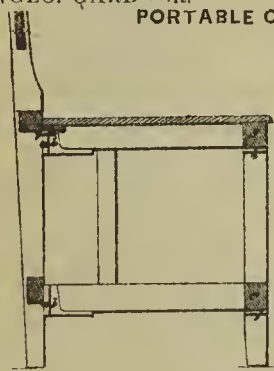
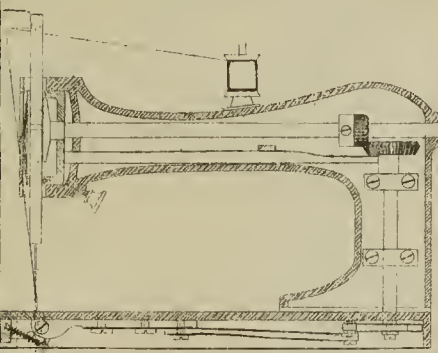
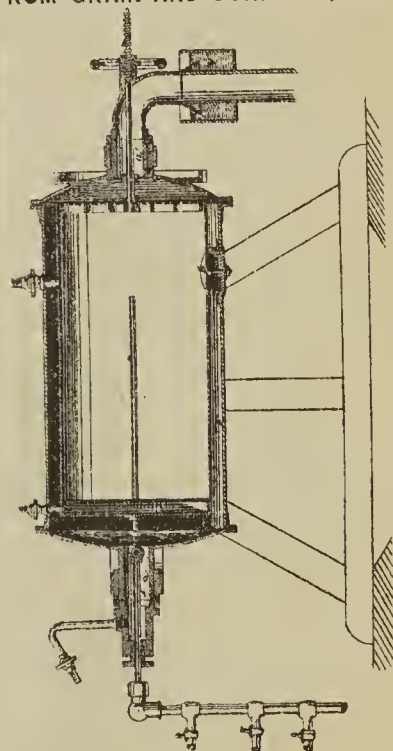
111,026. IRVIN WILLIAMS.
ROTARY-PUMPS.111,027. CHARLES ALLEN.
HOT-AIR FURNACES.111,028. WM. H. ANDREWS.
REVERSIBLE KNOB-LATCHES.

111,021. IZAAK VAN KERSEN.

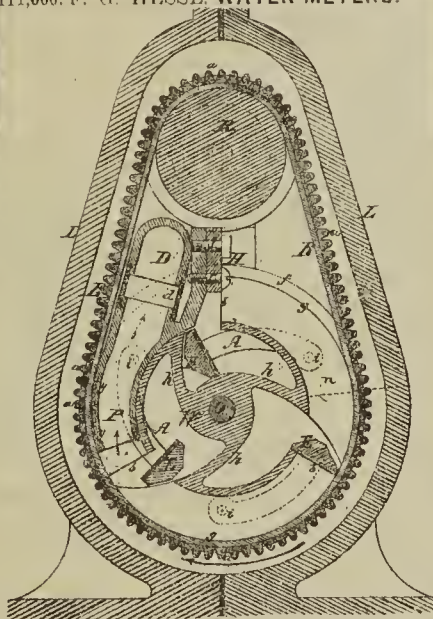
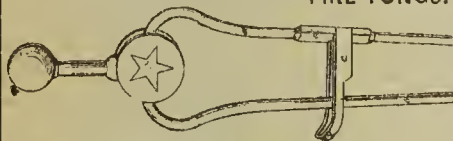
WAGON-BOX AND WAGON-RACK LIFTERS.

111,022. JEREMIAH M. WATSON.
SHANK-PIECES FOR BOOTS AND SHOES.111,023. DWIGHT F. WELSH. COTTON-
CHOPPERS.111,030. CYRUS W. BALDWIN.
HYDRO-ATMOSPHERIC ELEVATORS.111,031. WILLIAM BATCHELOR
FIRE-BARS.111,032. ROBERT BERRYMAN.
WATER OR STEAM-VALVES.111,033. HIRAM R. BOWEN.
L. D. ROBNETT.
PLOWS.

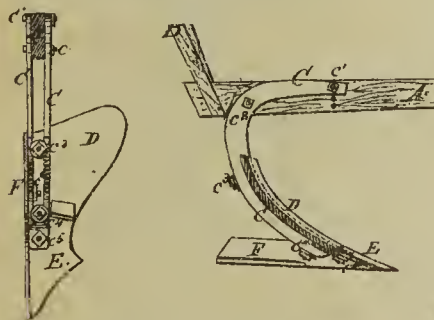
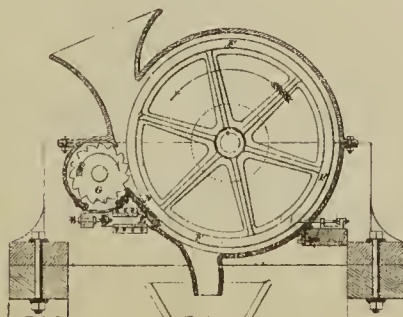
111,034. HORACE C. BRADFORD.
COTTON-SEED HULLERS.111,040,
L. F. BUSCHMANN.
FLUID-METERS.111,044. WILLIAM E. CHILSON.
MEDICAL COMPOUND PILLS FOR CURE
OF COLDS, &c.111,045. B. H. DETWILER.
S. G. VAN GILDER.
PRESERVING WOODS.111,046. GERARD DOAN.
THEODORE WALLIS.
GEORGE D. MORELAND.
HOUNDS, SWAY-BARS, TONGUE-BRACES,
AND CROSS-BARS OF VEHICLES.111,035. JOSEPH H. BRADLEY.
FEED-CUTTERS.111,041. WILLIAM H. BUTTERWORTH.
HAY-TEDDERS.111,047. ALBERT FICKETT. GRATE-BARS.
CHARLES C. BENTON.111,036. ADOLPH BRASE.
LEMUEL SALLADAY.
STEAM-BOILERS.111,042. HENRY RUSSELL CANINE.
THRASHING-MACHINES.111,048.
BENJAMIN F. FIELD.
MACHINES FOR LINING
STRAW-BOARD, &c.111,037. GEORGE WALTER BRONSON.
CULTIVATORS.111,038. FRANKLIN W. BROOKS.
STAMP-CANCELERS.F. J. BURCHAM BOOTS AND SHOES.
111,039,111,043. NATHAN CHAPMAN. HAY AND
COTTON-PRESSES.111,049. LEVI W. FIFIELD.
SHIRT-BUTTONS OR
STUDS.111,050. JNO. E. FLETCHER. REED-DRILLS
AND COCKLE-

111,051. GEORGE FOWLER.
PAPERING PINS.111,057. THOMAS HARDING.
EMERY-WHEELS.111,062. EUGENE C. HOPPING.
EUGENE A. ELY.
COMBINED SEED-DRILLS, MANURERS.
AND POTATO-DIGGERS.111,052. JOSEPH R. FRICKE.
LIGHTNING-RODS.111,058. MATTHEW HAWE.
CONSTRUCTION OF BARRELS FOR BEER.
&C.111,063. W. W. HUGHES.
BEAMS OR GIRDERS FOR FIRE-PROOF
STRUCTURES.111,053. GEO. GARDNER.
PORTABLE CHAIRS.111,059. ARTHUR HELWIG.
SEWING-MACHINES.111,064. ELIAS S. HUTCHINSON.
APPARATUS FOR SEPARATING OIL
FROM GRAIN AND OTHER MATERIALS.

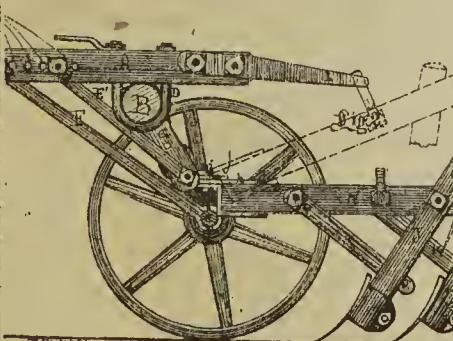
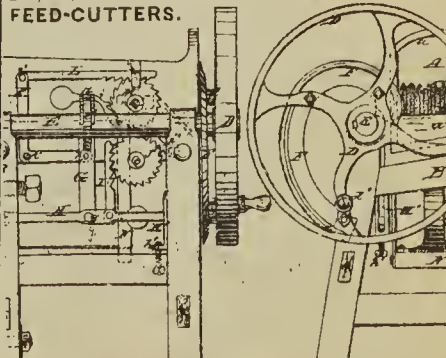
111,060. F. G. HESSE. WATER-METERS.

111,054. ALFRED M. GEORGE.
FIRE-TONGS.

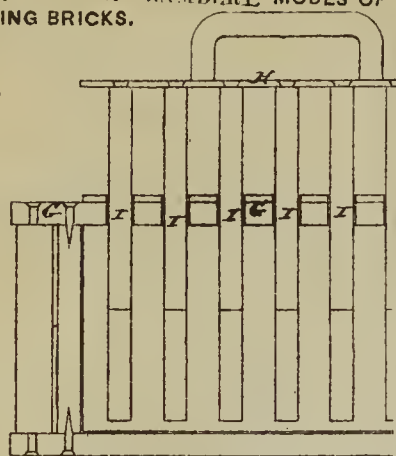
111,055. ELIAS HAIMAN. PLOWS.

111,061. GEORGE O. HOHENSTEIN.
C. T. GLAESER. CRUSHING AND
HULLING ATTACHMENTS TO GRINDING-
MILLS.

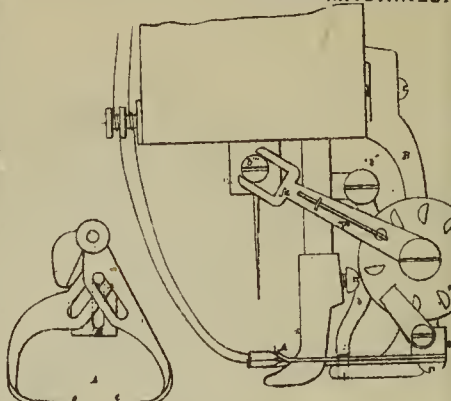
111,056. THOMAS HARDING. PLOWS.

111,065. CHRISTOPH KEMPER.
FEED-CUTTERS.

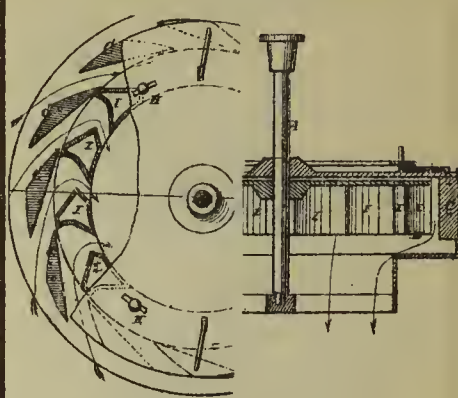
111,066 FRANCOIS LAMBERT. MODES OF MAKING BRICKS.



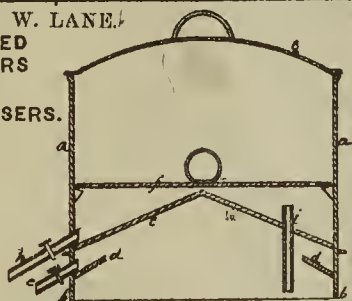
111,071. WILLIAM A. MACK. EMBROIDERING ATTACHMENTS FOR SEWING-MACHINES.



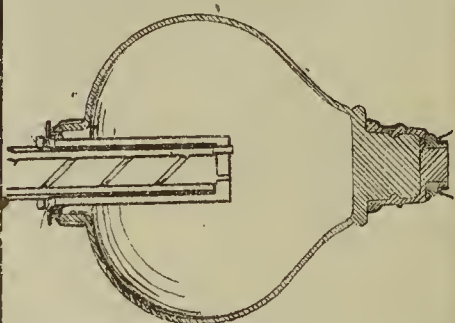
111,077, ALBERT L. MOORE, NORMAN S. PARKER. WATER-WHEELS.



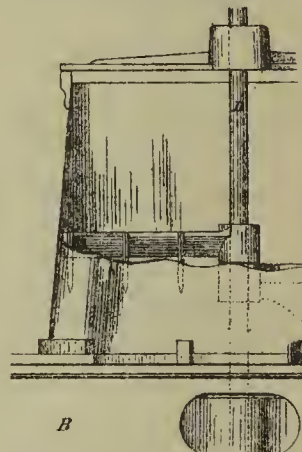
111,067. G. W. LANE. COMBINED STEAMERS AND CONDENSERS.



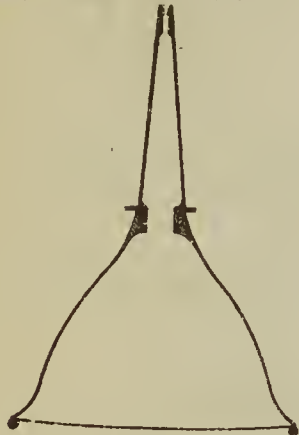
111,072. RUFUS S. MERRILL. LAMPS.



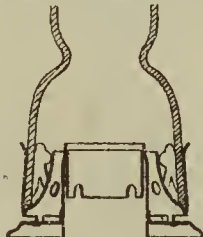
111,078. ALBERT MOORHOUS. TILE-MACHINES.



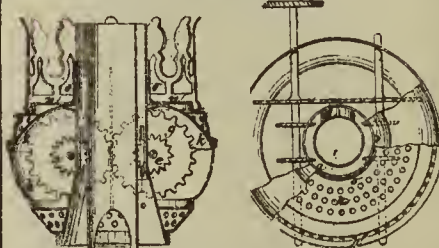
111,068. ALBERT D. LAWS. OILERS.



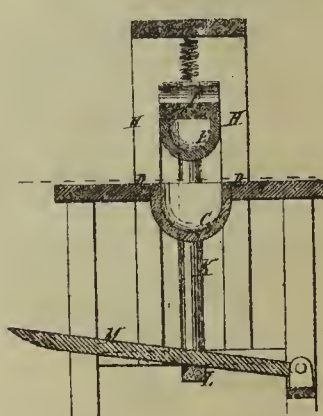
111,073. RUFUS S. MERRILL. LAMP-CHIMNEYS.



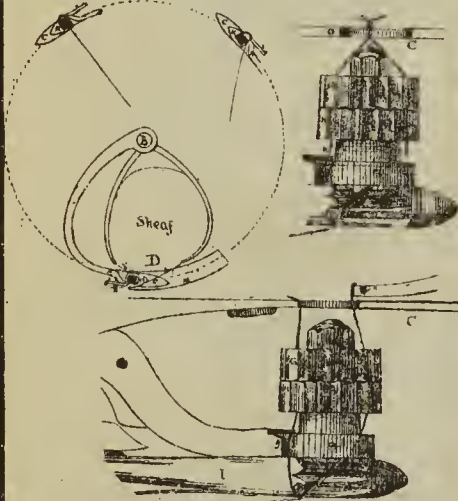
111,074. RUFUS S. MERRILL. LAMP-BURNERS.



111,079. CHARLES M. OSGOOD. HAT-MACHINES.



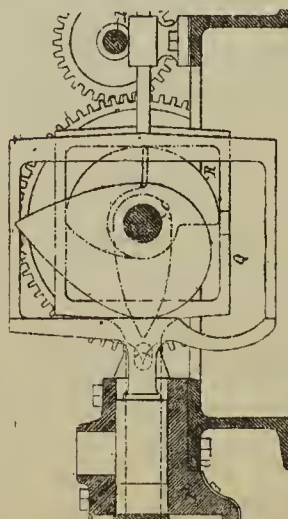
111,069. S. D. LOCKE. GRAIN-BINDERS.



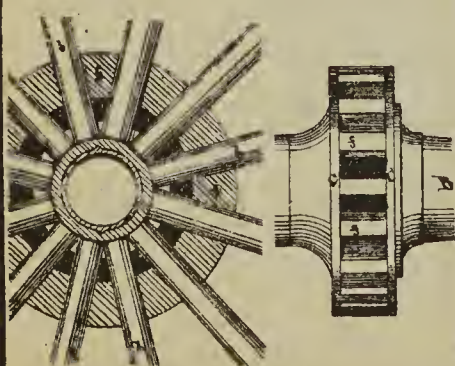
111,075. L. OTTO P. MEYER. MANUFACTURE OF SAFETY-MATCHES.



111,076. JAMES ALLAIRE MILLHOLLAND. BRICK-PRESSES.



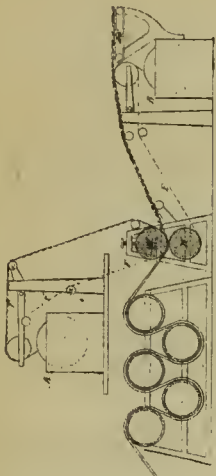
111,070 WM. I. LYMAN. HUBS FOR VEHICLES.



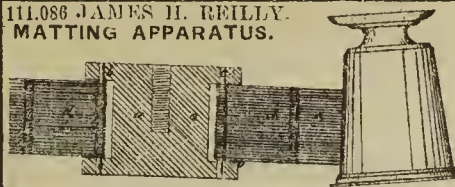
111,080. S. R. OWEN. WINDOW-FRAMES.



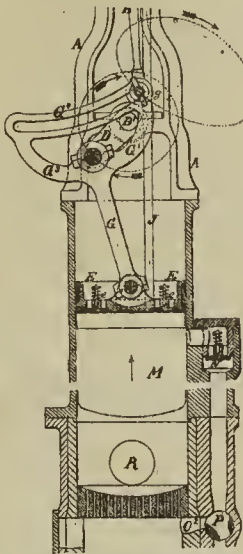
111,081. CLAUDIUS A. PEASE.
MACHINES FOR THE MANUFACTURE
OF PAPER CARPET-LINING.



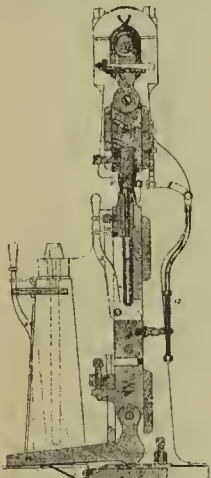
111,086 JAMES H. REILLY.
MATTING APPARATUS.



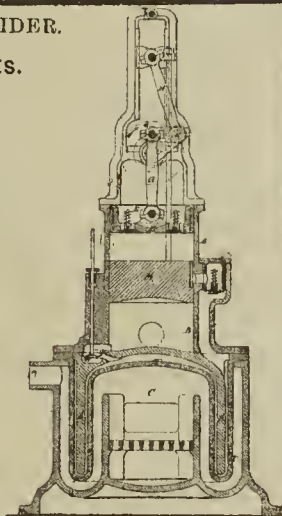
111,087. A. K. RIDER. HOT-AIR ENGINES.



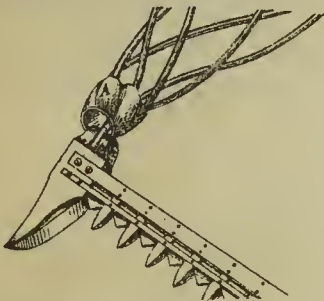
111,082. G. R. POSTLETHWAITE.
MACHINES FOR MAKING BOLTS AND
NUTS.



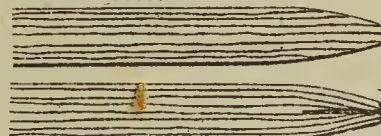
111,088. A. K. RIDER.
AIR-ENGINES.



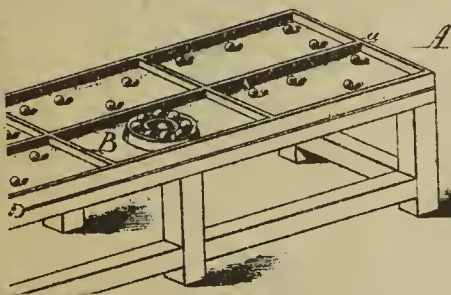
111,083. BENJAMIN F. POWER. TRACK-
CLEARERS FOR MOWING-MACHINES.



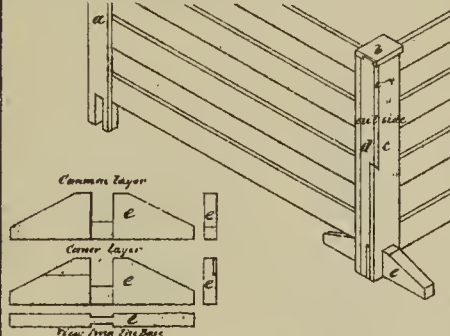
111,089. SOCRATES SCHOLFIELD.
CIGAR-FILLINGS.



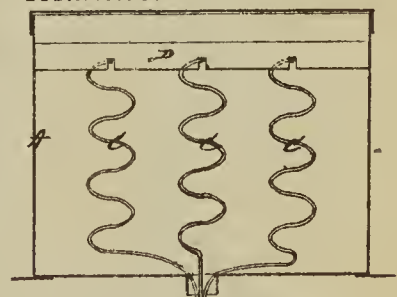
111,084. THOS. REANEY.
TABLES FOR DRILLING-MACHINES.



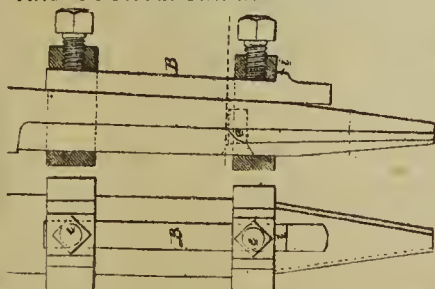
111,090. W. W. SHERMAN. FENCES.



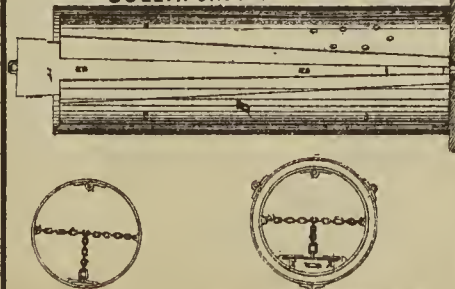
111,095. HENRY THURLOW.
LUBRICATORS FOR AXLES.



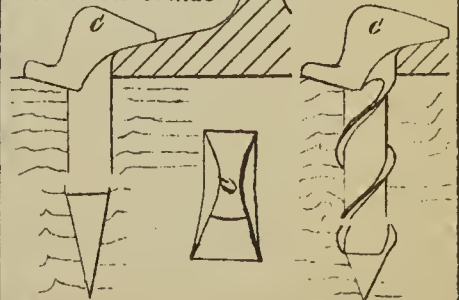
111,085. THOS. REANEY. REAMING
AND COUNTERSINKING-TOOLS.



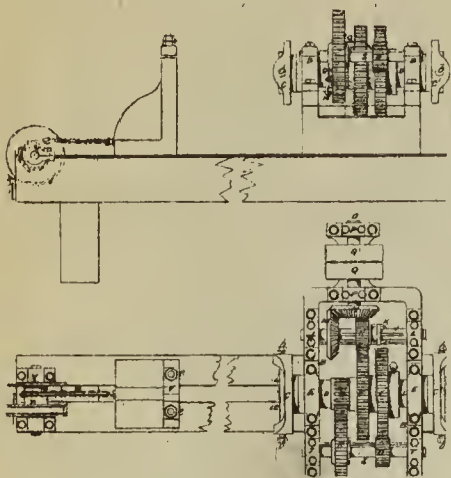
111,091. WILLIAM SMITH.
COLLAPSING CORE-BARRELS.



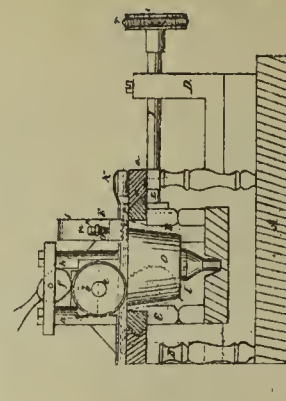
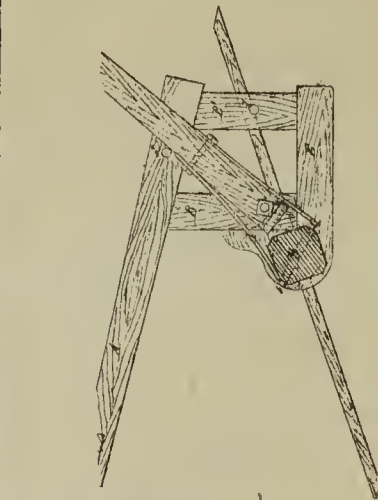
111,096. HENRY TORSTRICK.
REINHOLD BOECKLEN.
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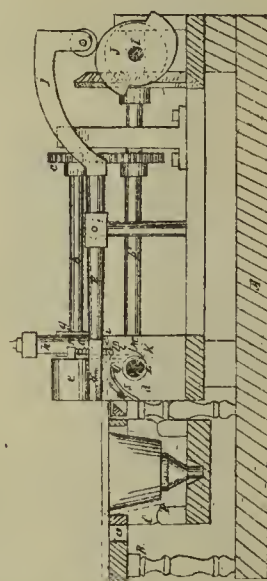
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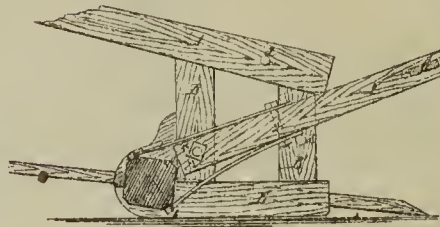
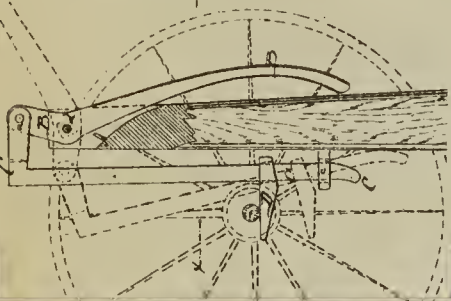
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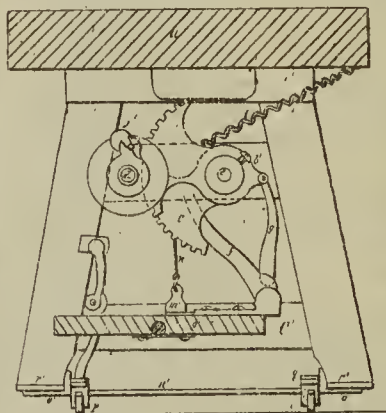
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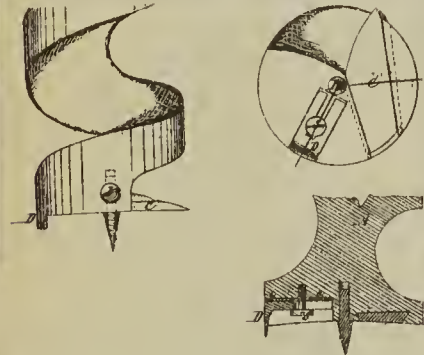
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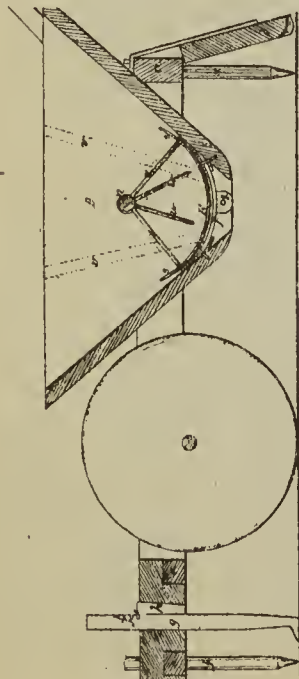


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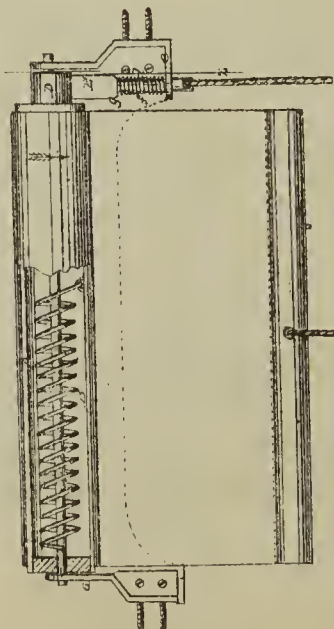


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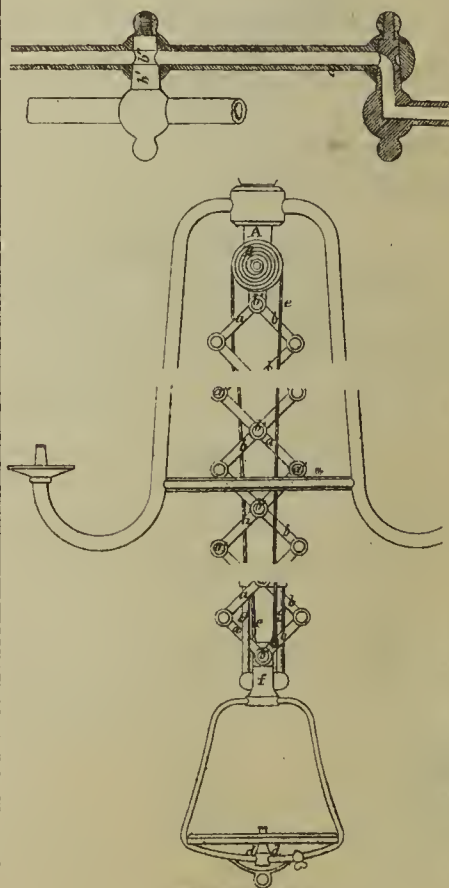
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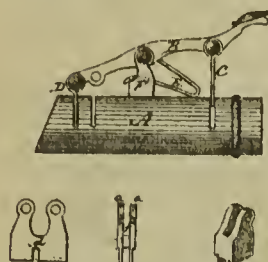


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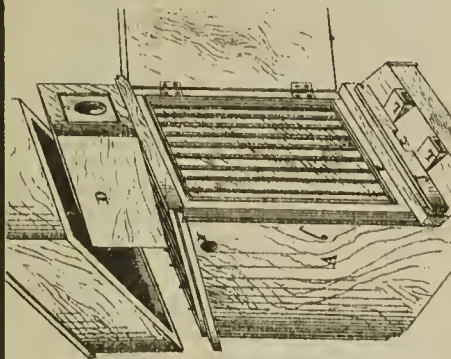
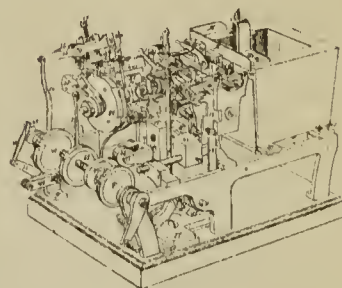
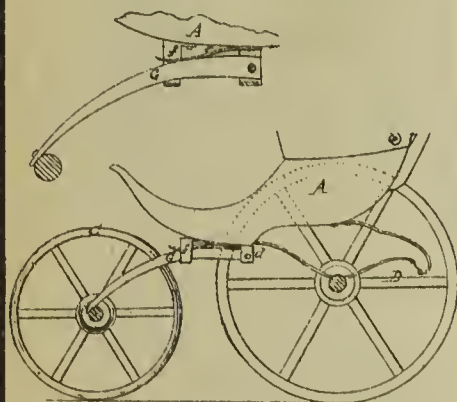
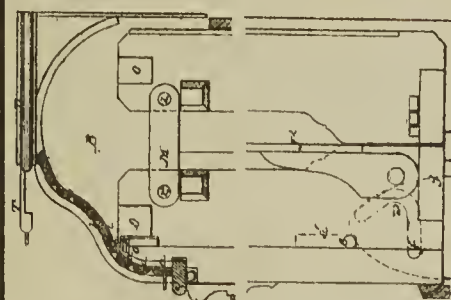
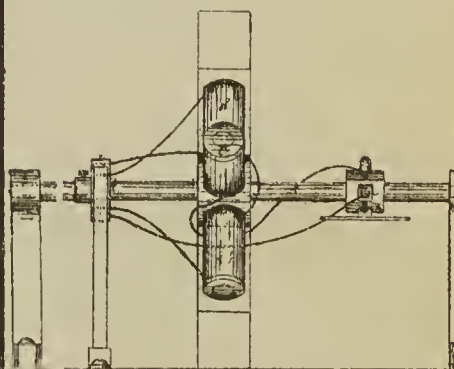
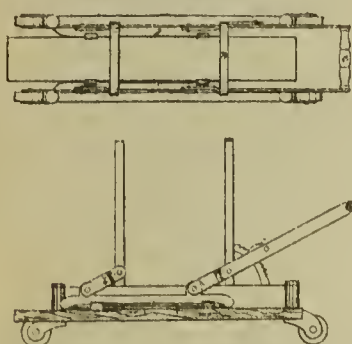
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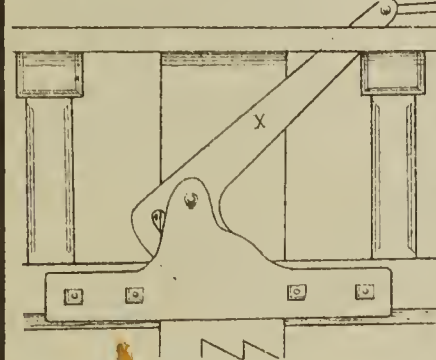
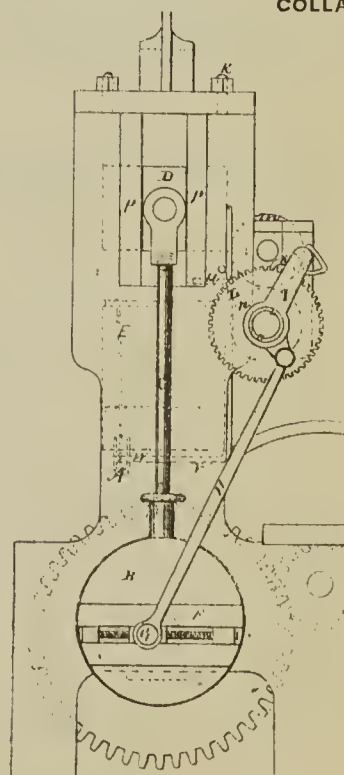
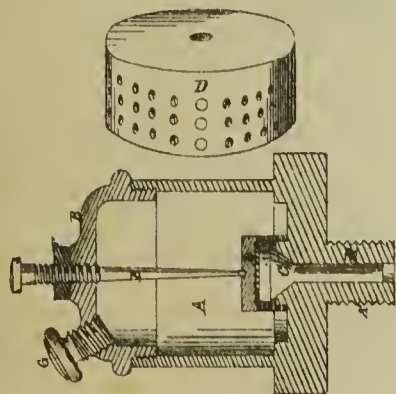
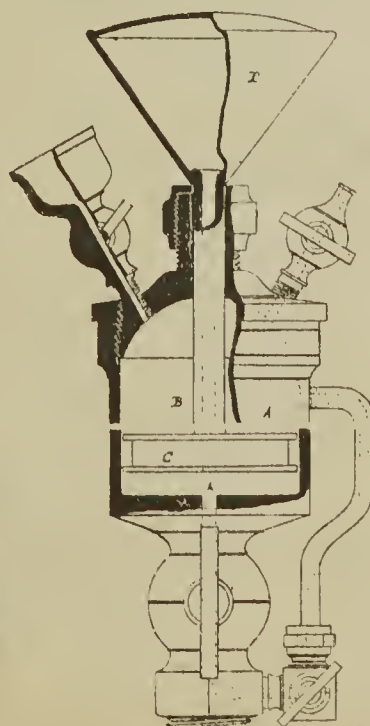
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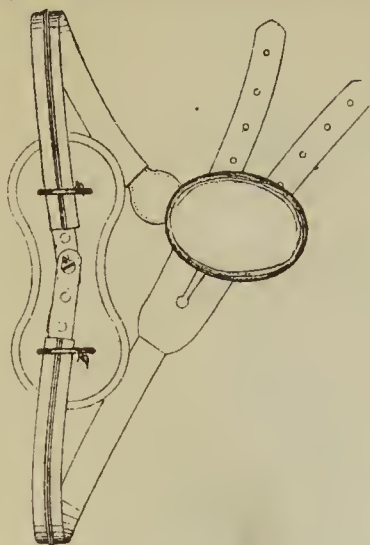
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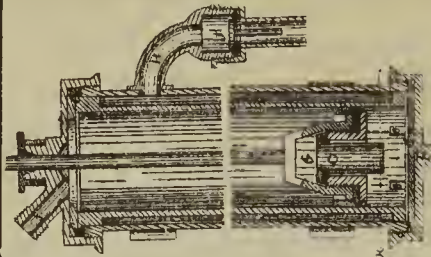
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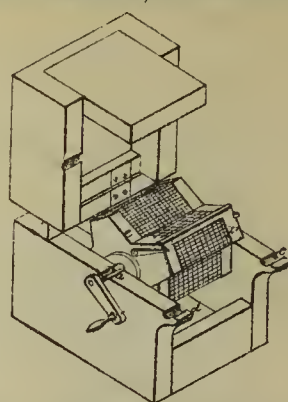
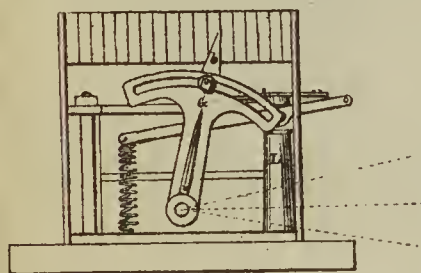
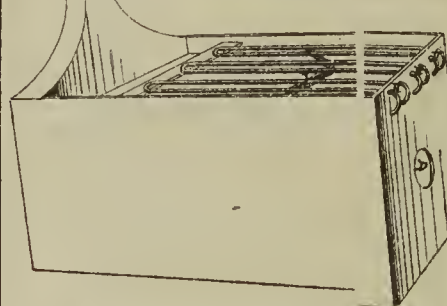
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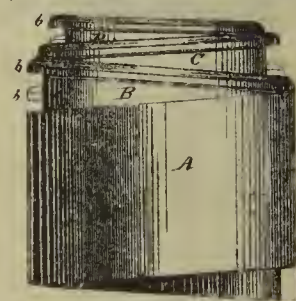
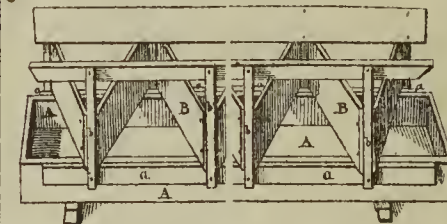
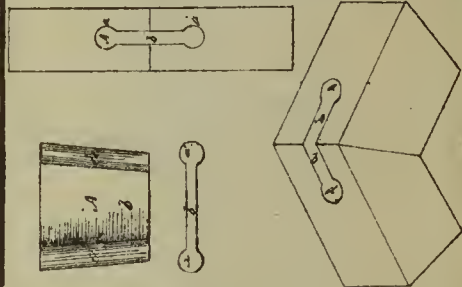
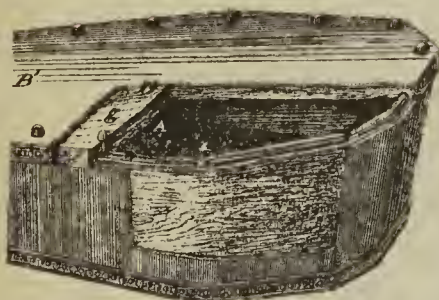
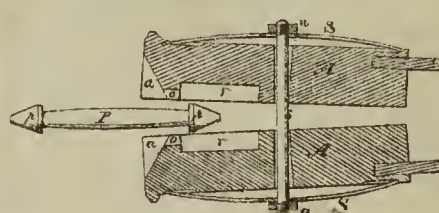
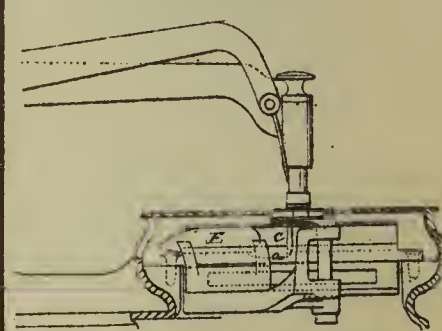
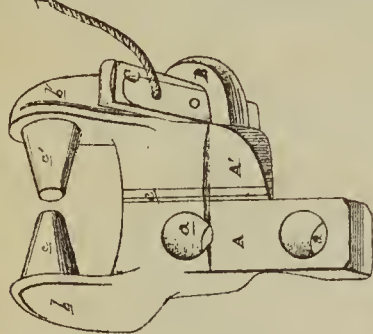
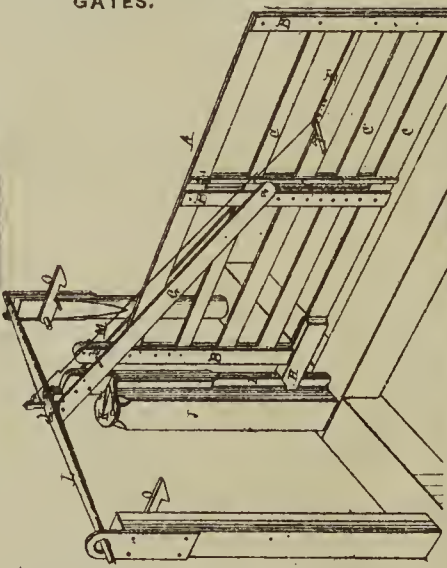
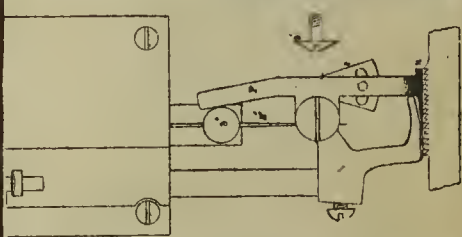
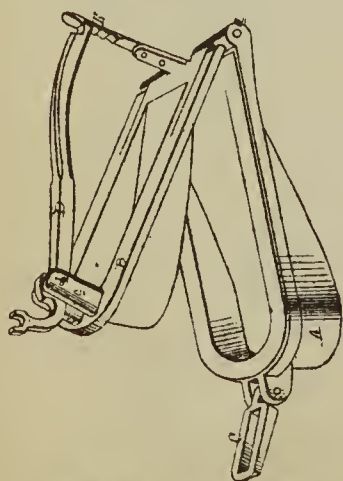
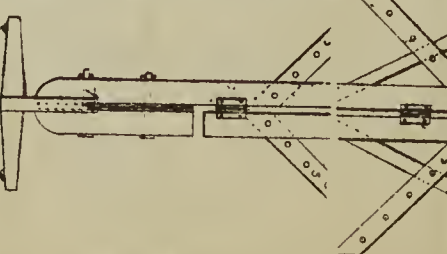
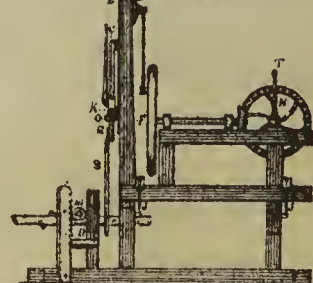
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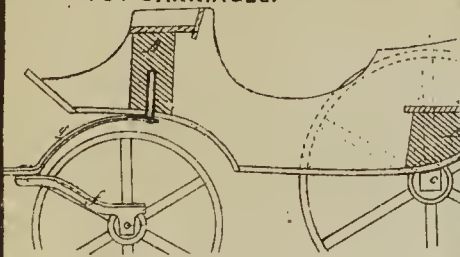
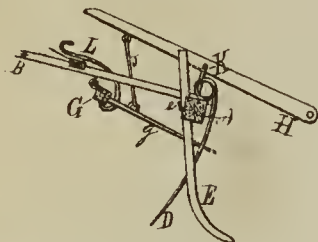
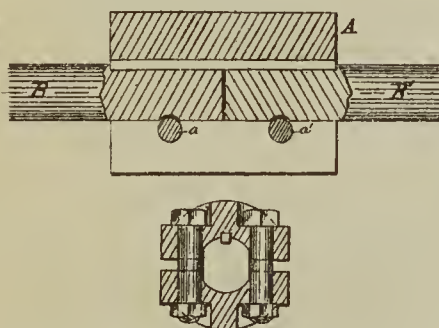
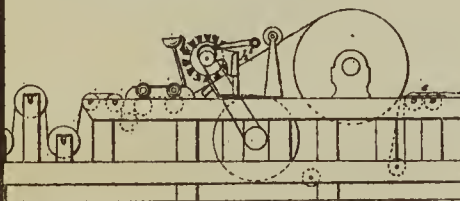
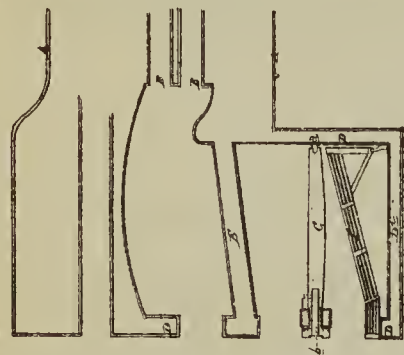
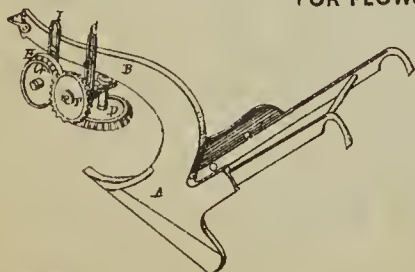


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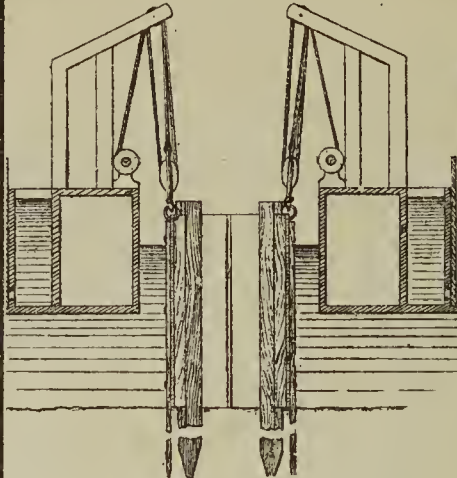
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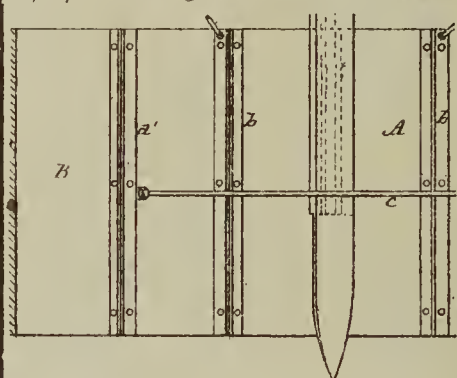
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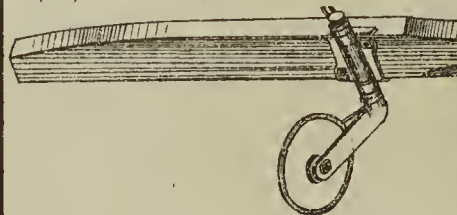
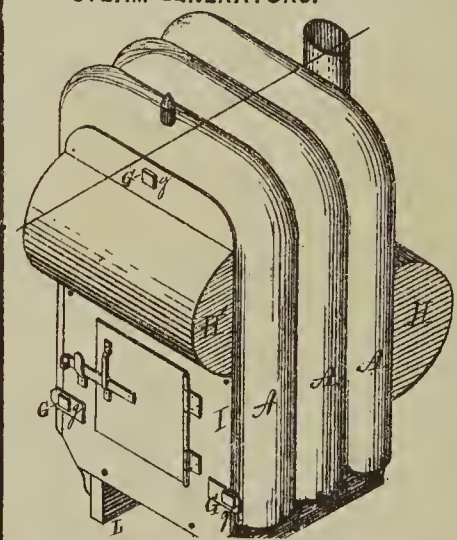
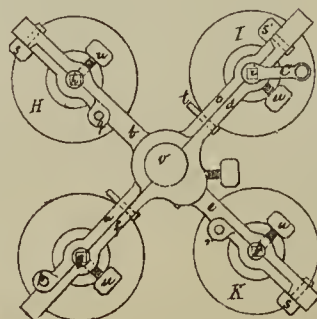
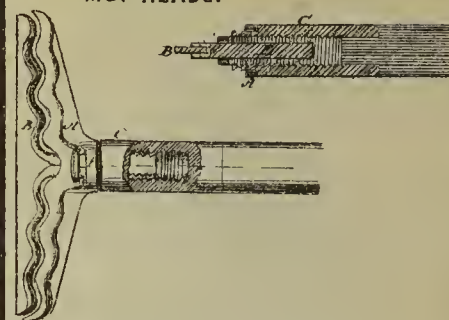
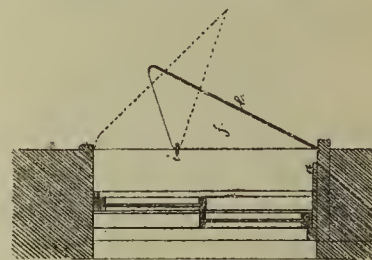
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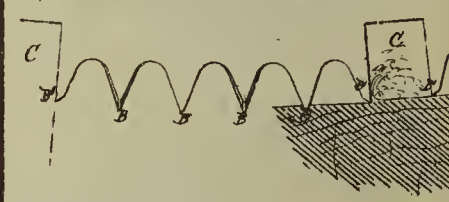
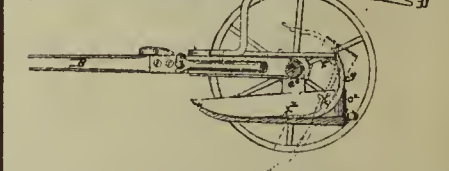
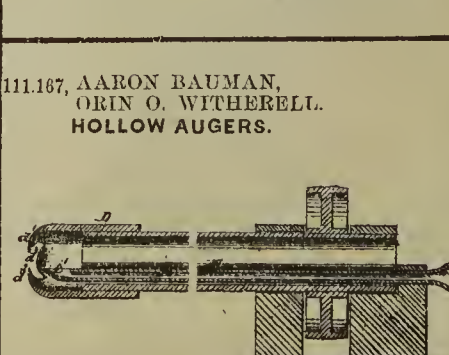
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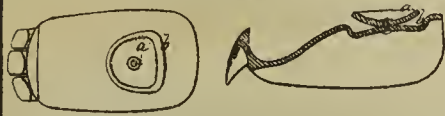
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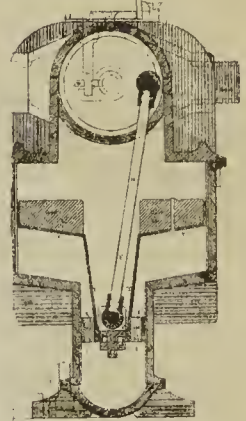
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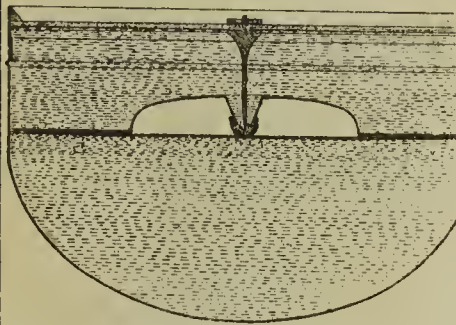
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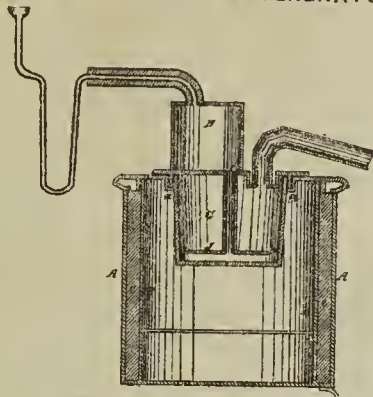
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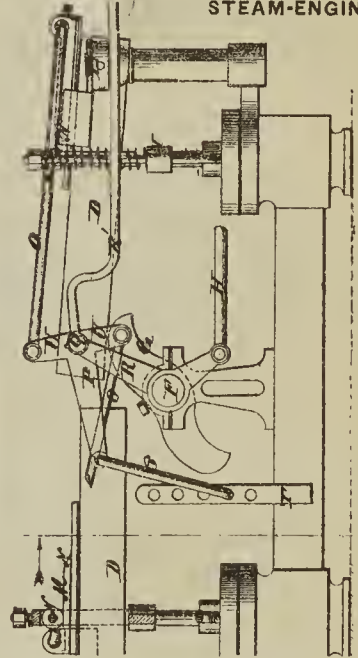
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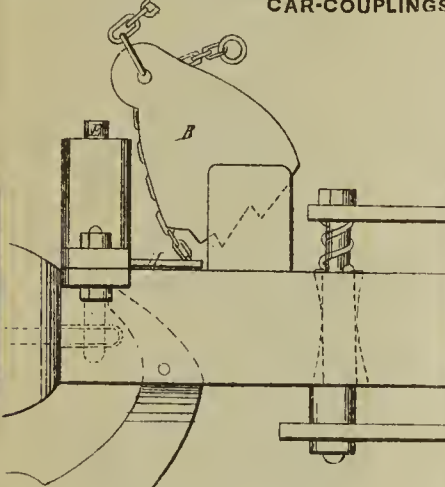
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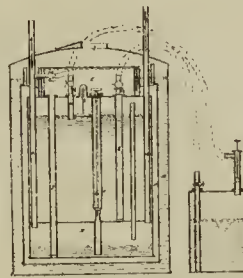
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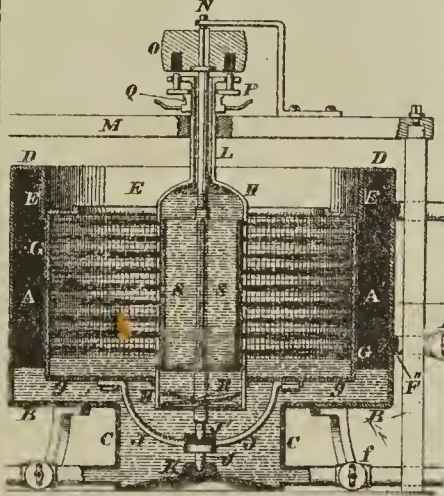
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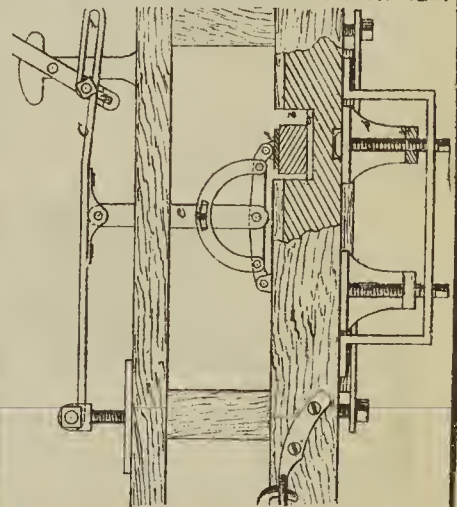
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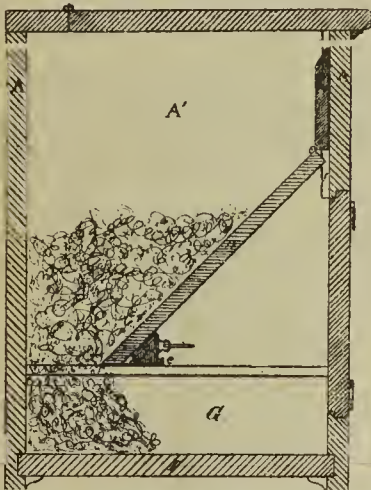
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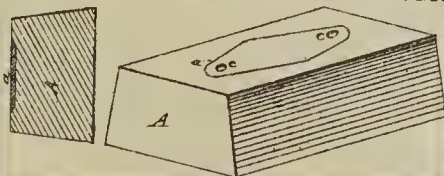
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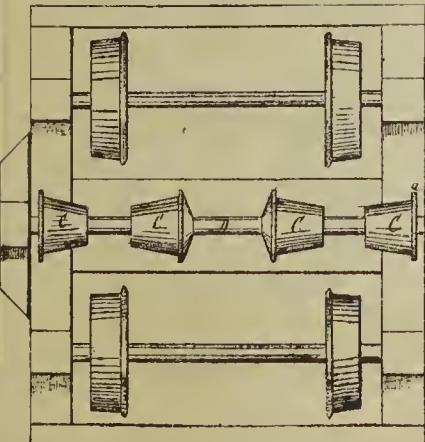
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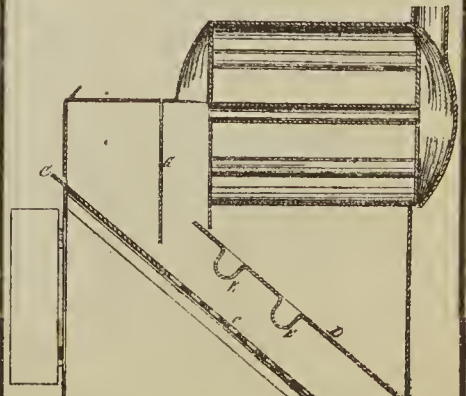
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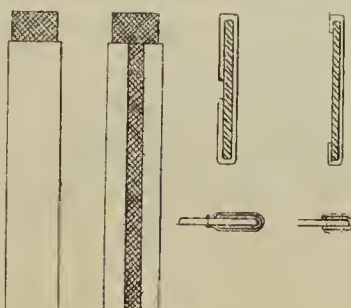
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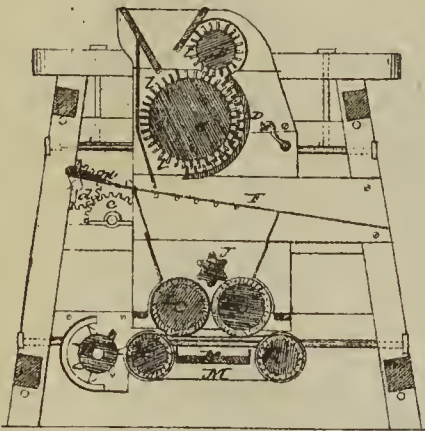
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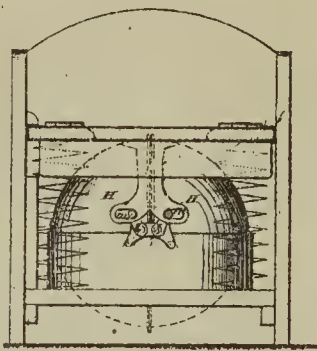
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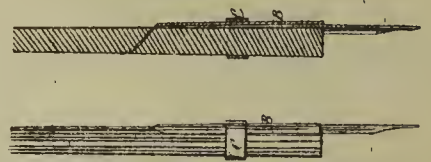
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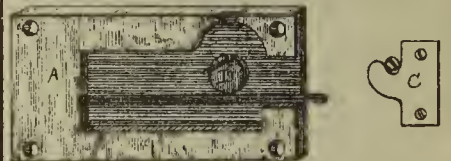


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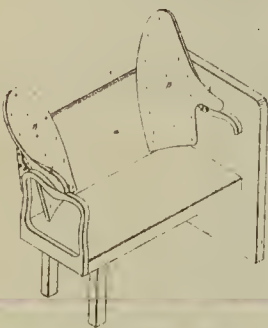


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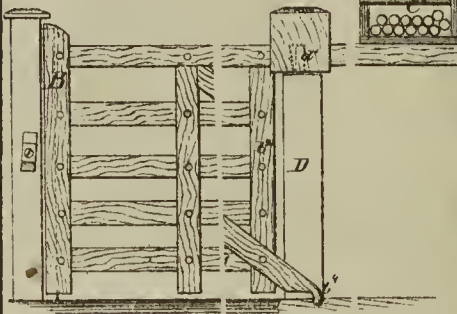
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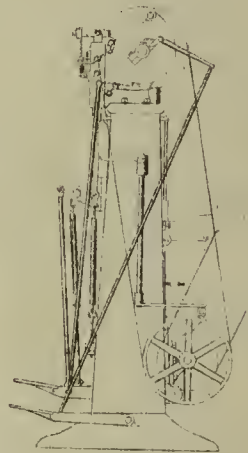
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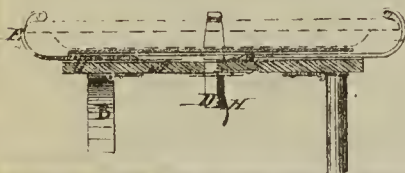


111,197, CHAS. GOODYEAR, JR.
MACHINES FOR SEWING BOOTS
AND SHOES.

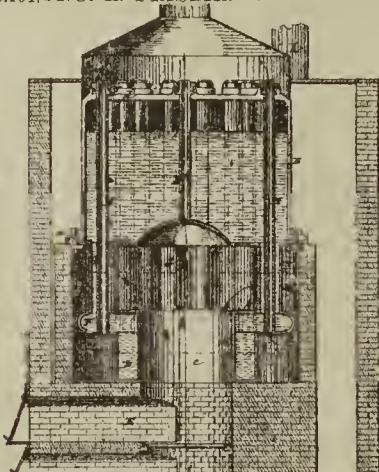


111,185, SAMUEL J. EVERETT.
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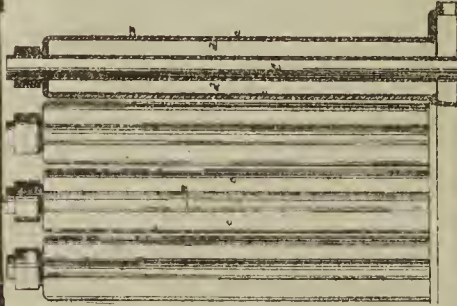
111,186, OBED FAHNESTOCK.
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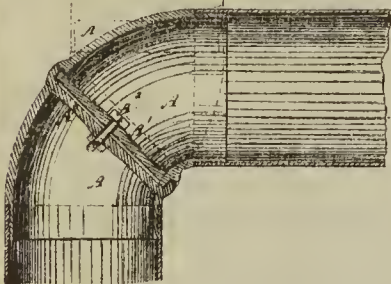
111,191, JNO. L. FRISBIE. STEAM-BOILERS.



111,192, JNO. L. FRISBIE.
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111,187, JOHN B. FINK.
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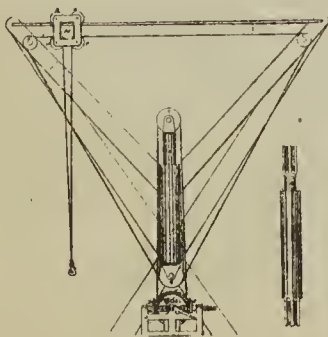


111,198, WILLIAM THOMAS GRANT.
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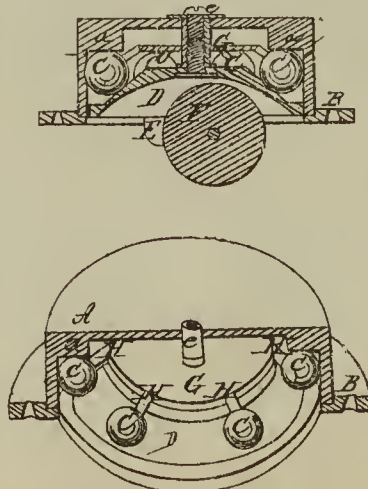
111,199, FRANKLIN T. GRIMES.
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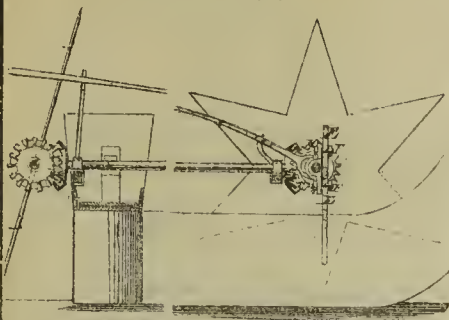


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HOISTING APPARATUS.

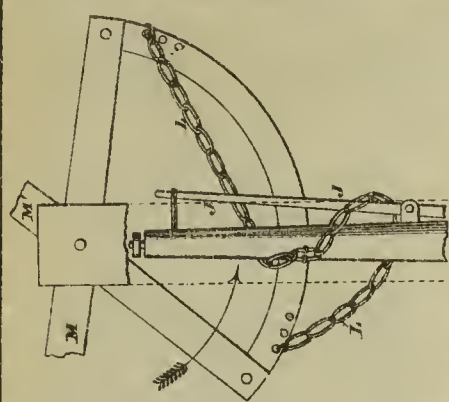
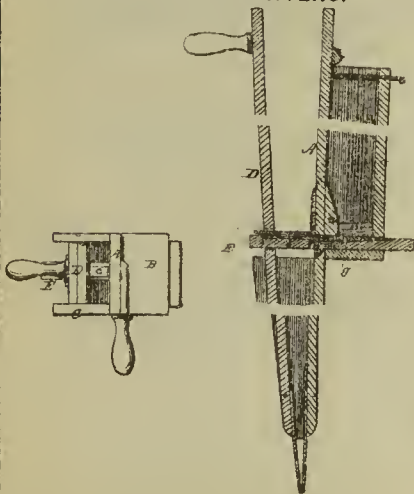
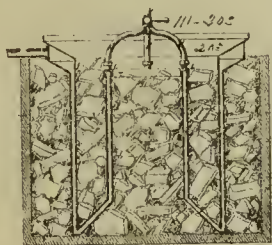


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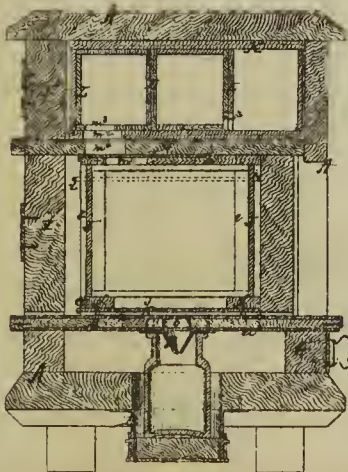
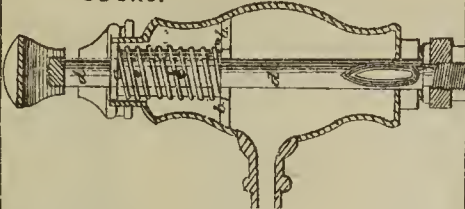
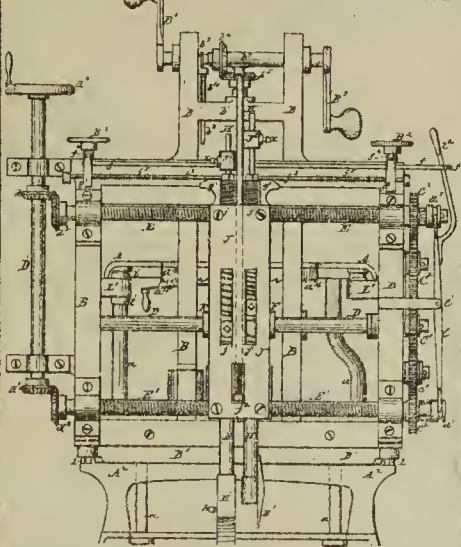


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CORN-DROPPERS.

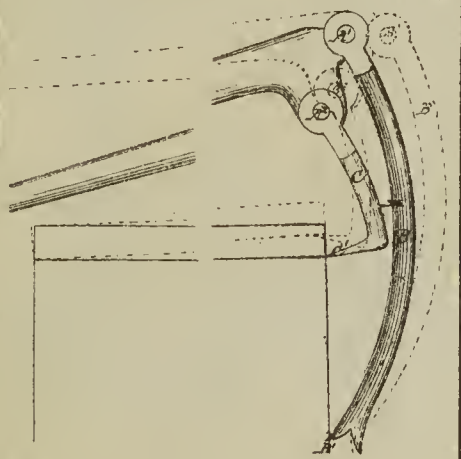
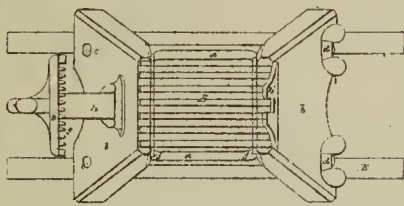
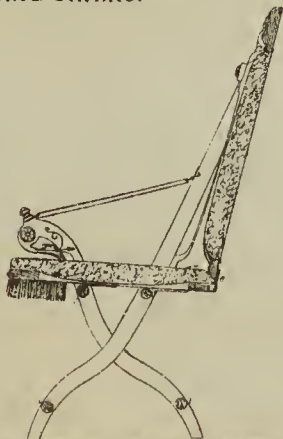
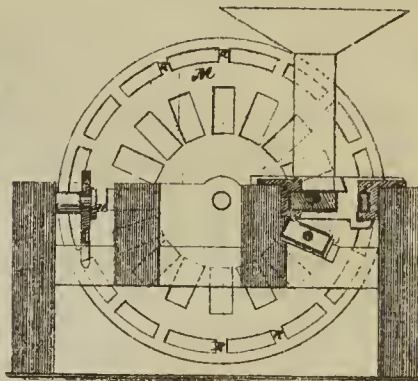
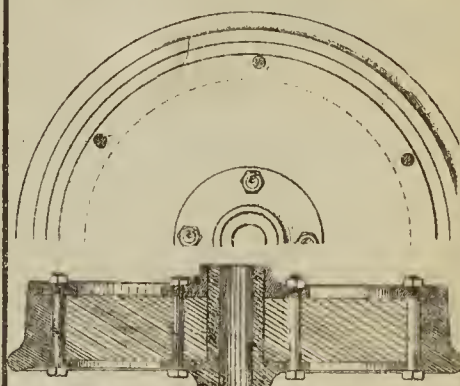
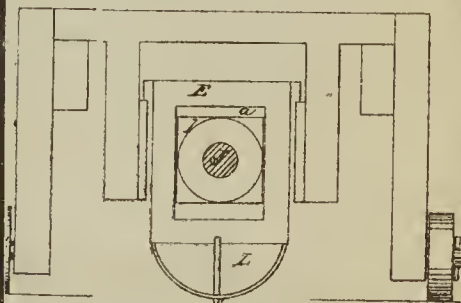
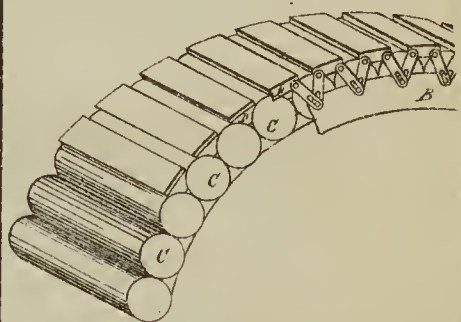
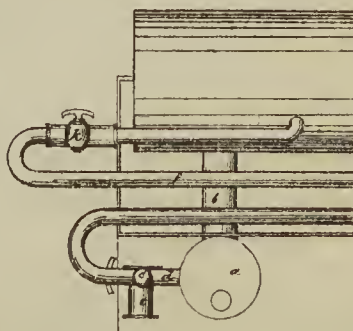
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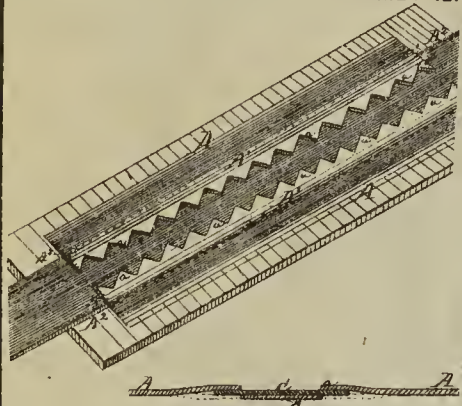
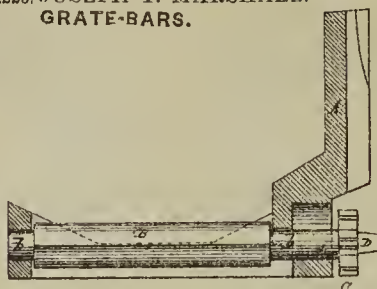
111,202, JAMES M. HARRISON.
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111,204, HENRY L. HECKMAN, BEE-HIVES.

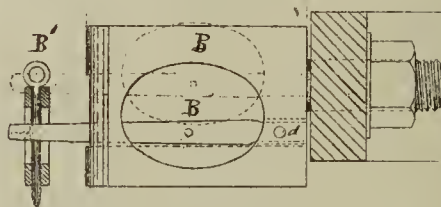
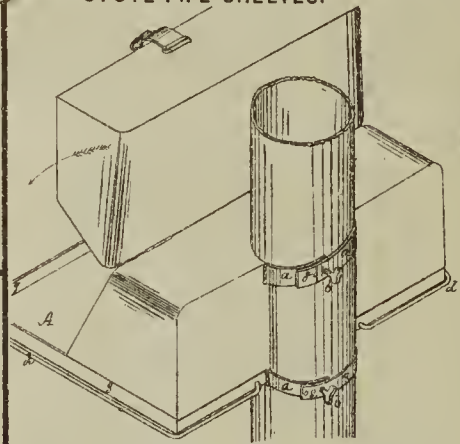
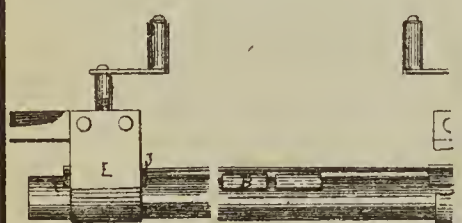
111,205, WILLIAM H. DEDGES,
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HENRY KREIDLER.
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111,207, THOS. B. HENKLE, BOX-OPENERS.

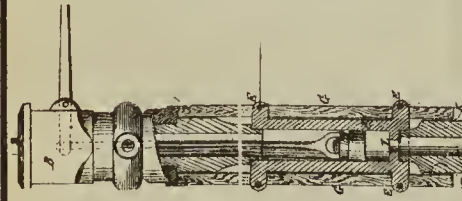
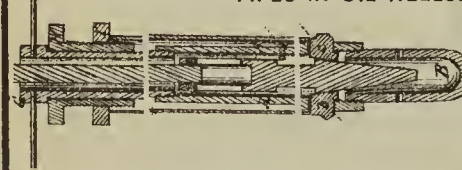
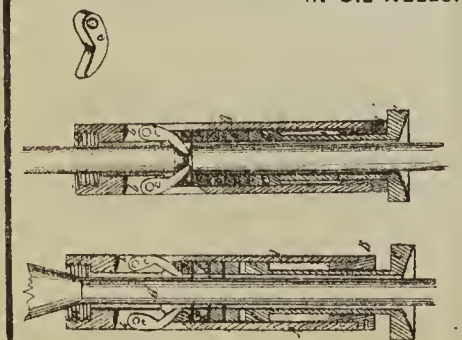
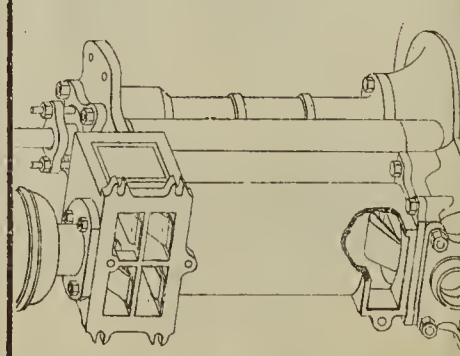
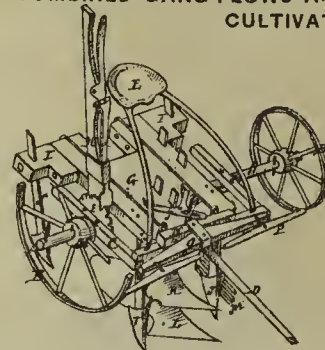
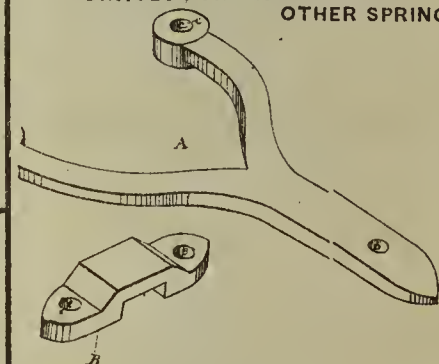
111,208, DAVID WALLACE HERSEY.
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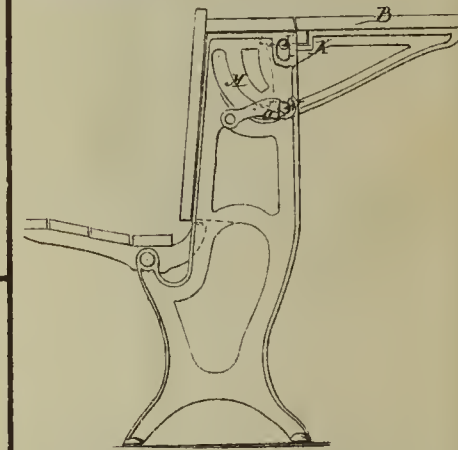
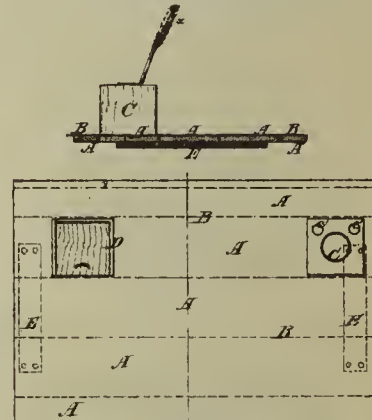
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111,225, JAMES McCALLUM.
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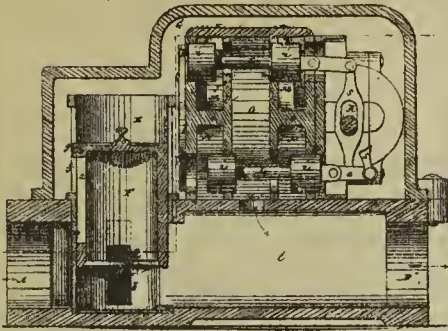
111,219, GEORGE H. LAUB, PUMPS.

111,220, J. H. LUTHER.
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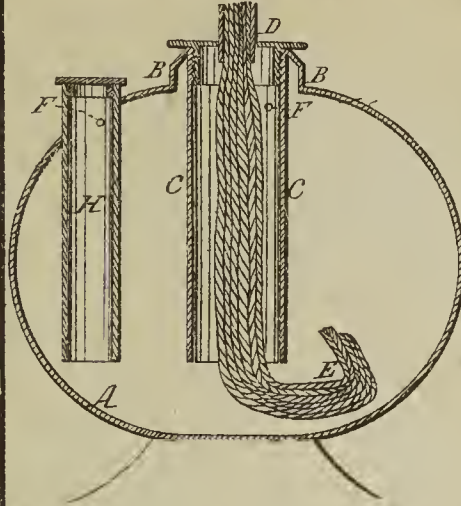
111,230, JOHN MILWAIN FOLDING DESKS.

111,231, WALTER G. MITCHELL.
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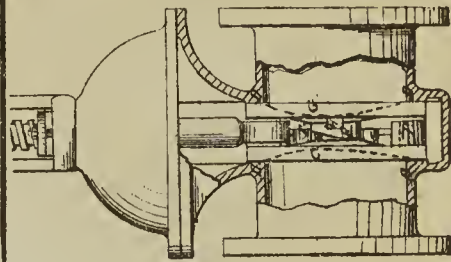
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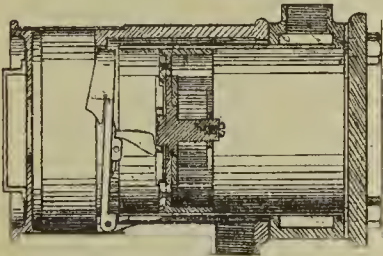
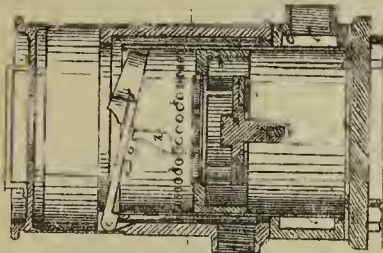
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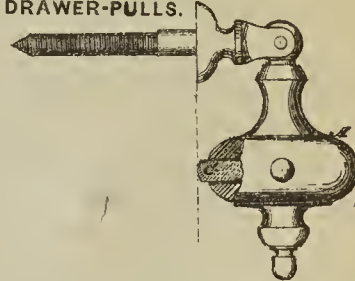
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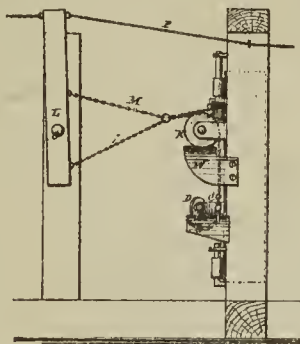
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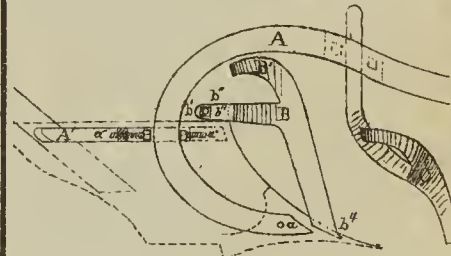
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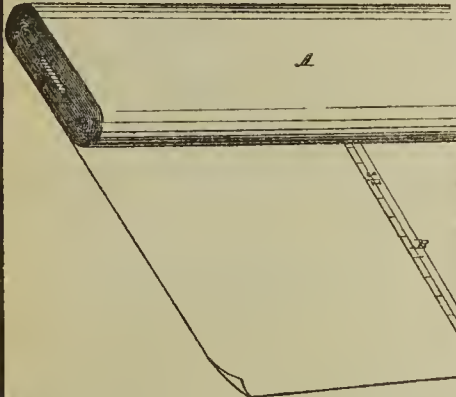
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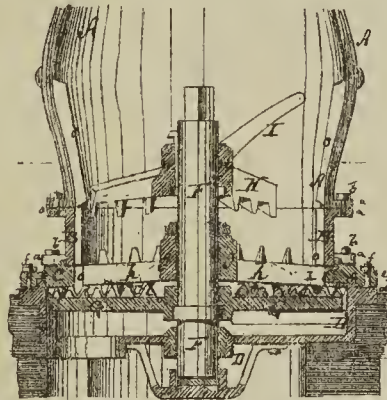
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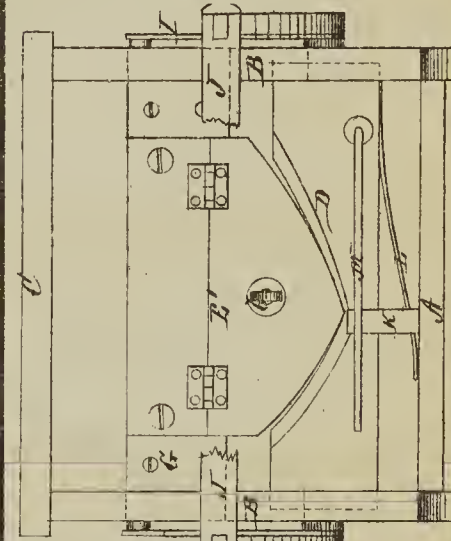
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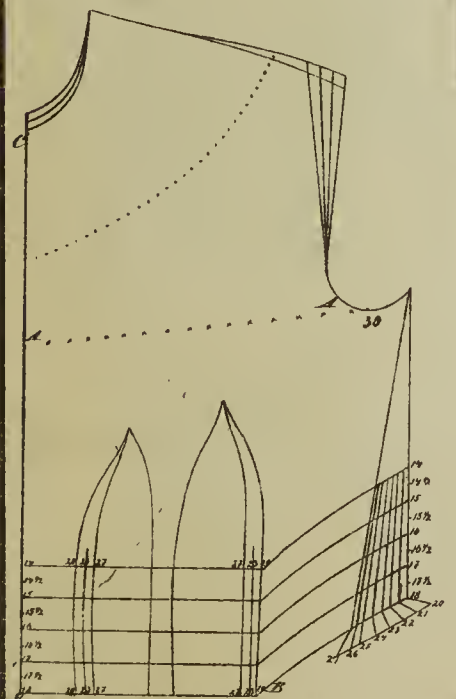
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111,245, WILLIAM POLSGROVE. BOOT-CRIMPERS.



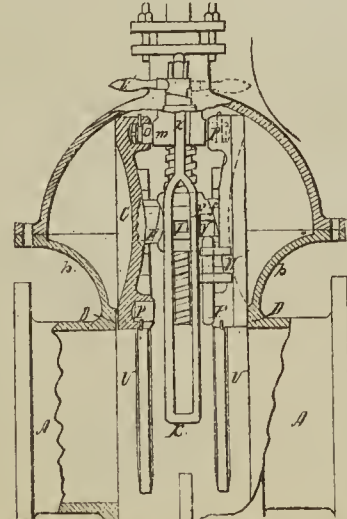
111,236, SCHAMU MOSCHCOWITZ. BODY-LININGS FOR LADIES' DRESSES.



111,240, HARRISON PARKMAN. SPADES.



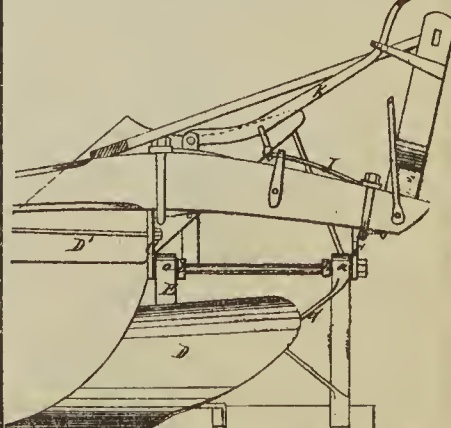
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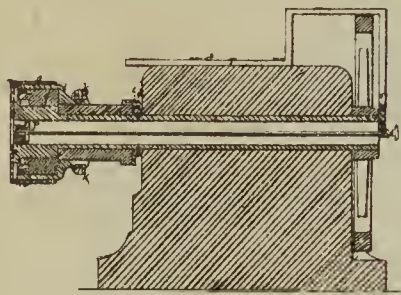
111,246, GEORGE BARTLETT PRESCOTT. CONNECTORS FOR TELEGRAPH-WIRES.



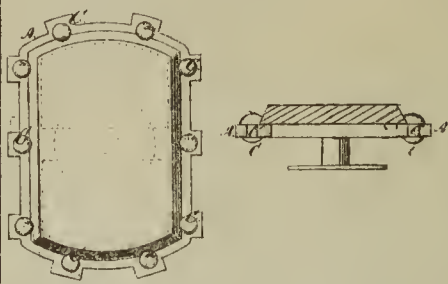
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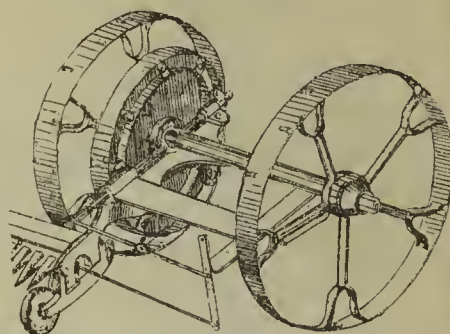
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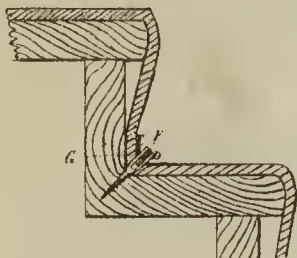
111,253, WILLIAM RIKER.
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111,258 GEO. T. SAVARY.
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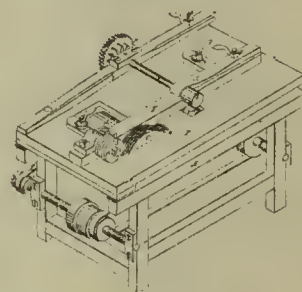
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STAIR-ROD FASTENINGS.



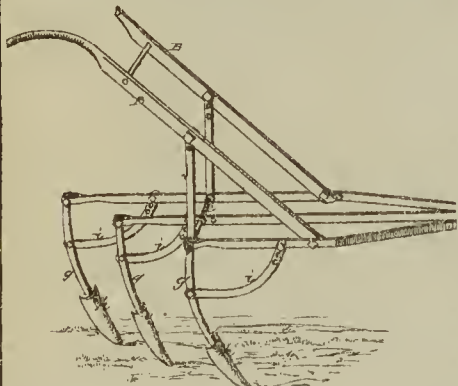
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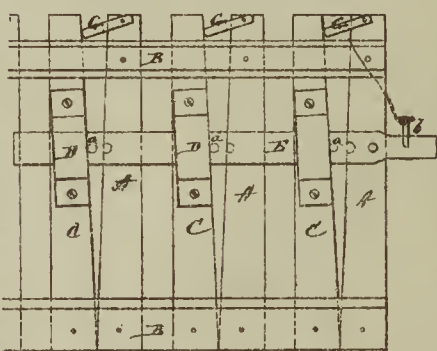
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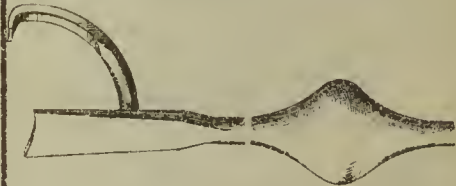
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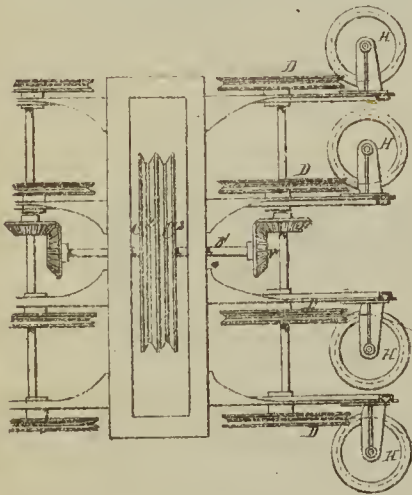
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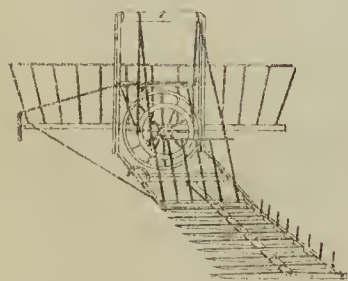
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JACOB BAKER.
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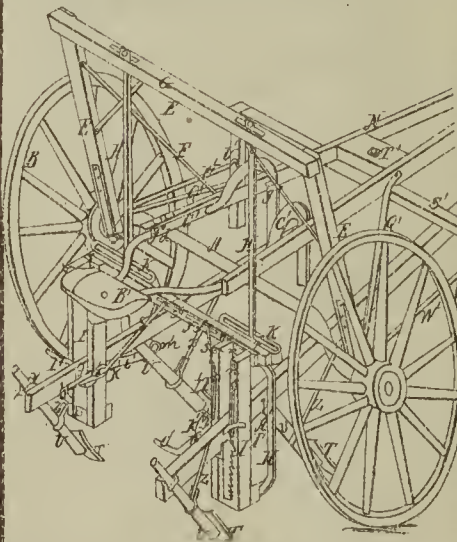
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MACHINERY FOR TRANSMITTING AND
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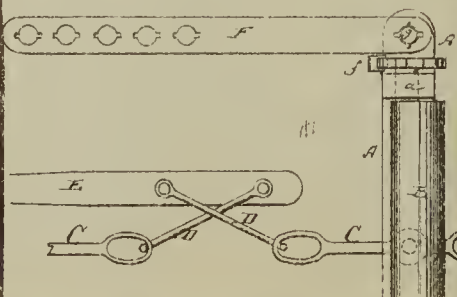
111,252, JOHN P. RIDEOUT.
HAY-LOADERS.



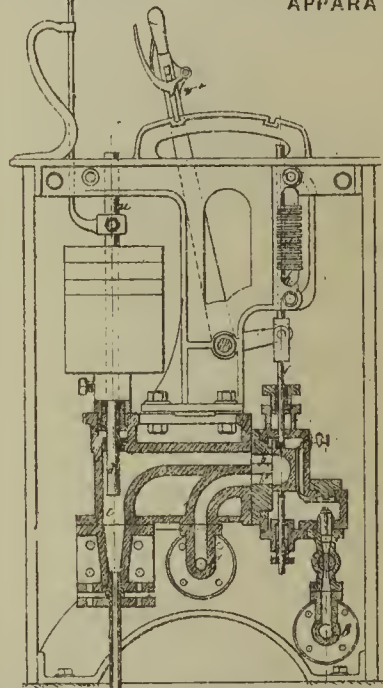
111,256, H. M. ROSE. CULTIVATORS.



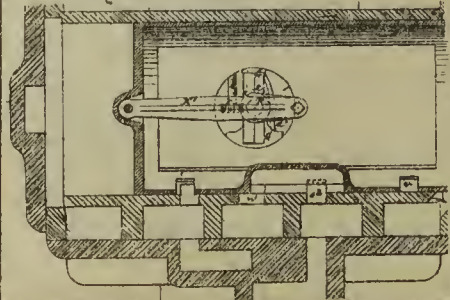
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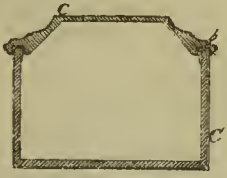
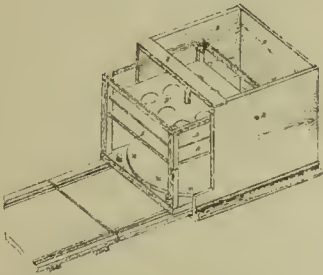
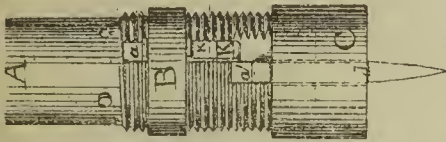


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TH. HENNING.
RAILWAY-SWITCHES AND SIGNAL
APPARATUS.

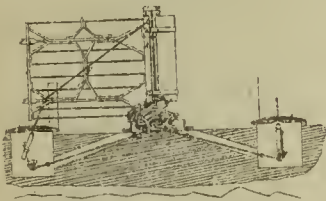
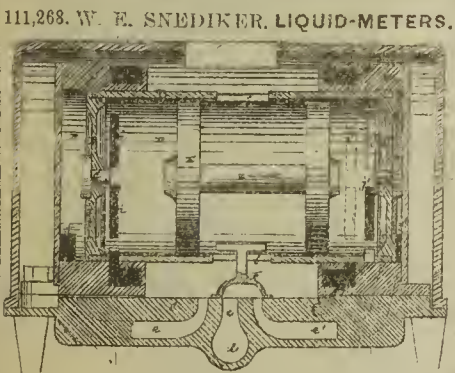


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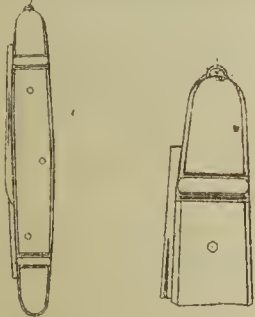
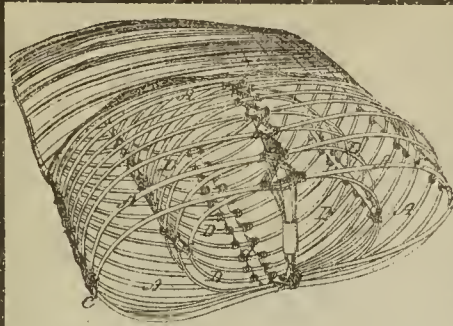
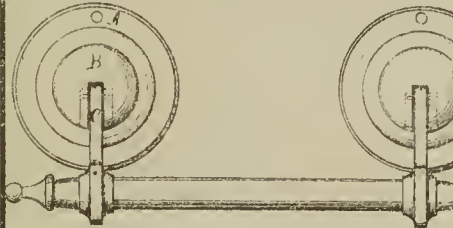


111,263. FRANK B. SHEARER.
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CANNING AND PRESERVING MEATS,
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JOHN SHOEMAKER.
ROCK-DRILLS.

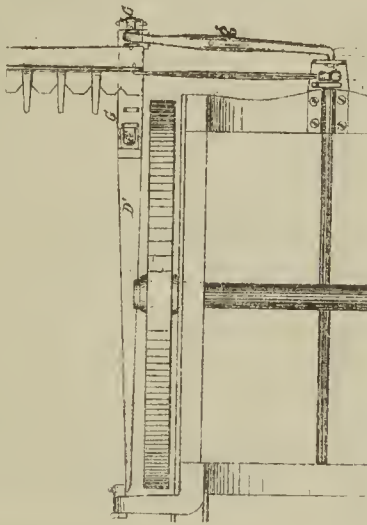
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111,267. BENJAMIN R. SMITH.
JOHN CAMPBELL HARRIS.
PLASTERS FOR WALLS.

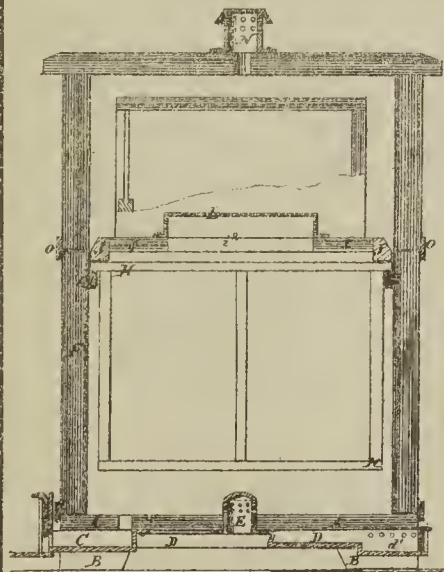
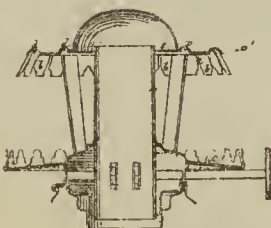
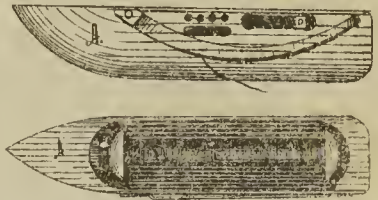
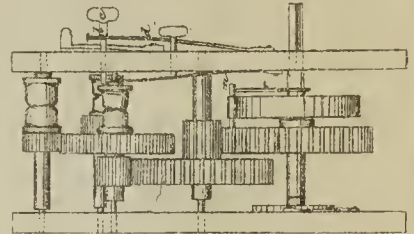
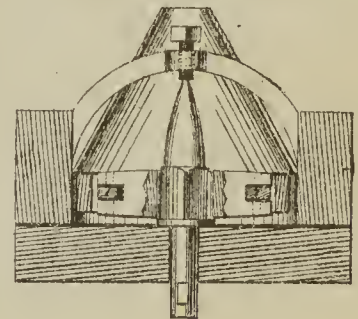
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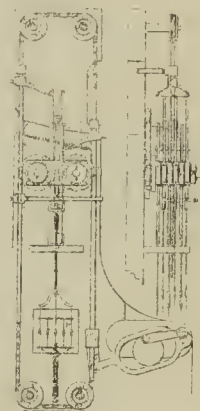
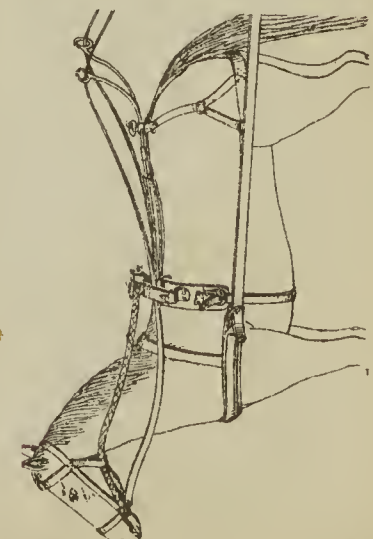
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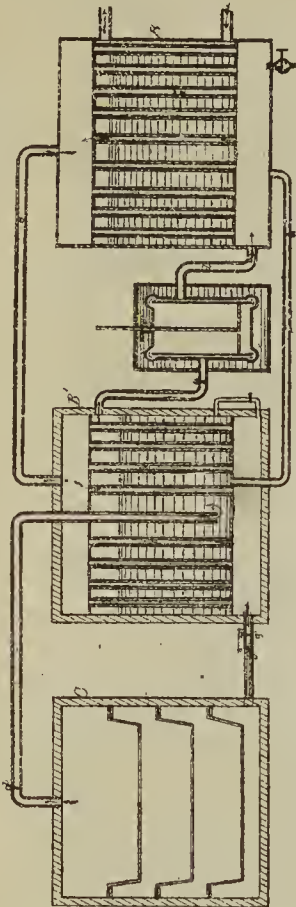
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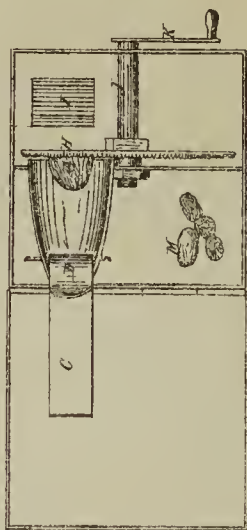
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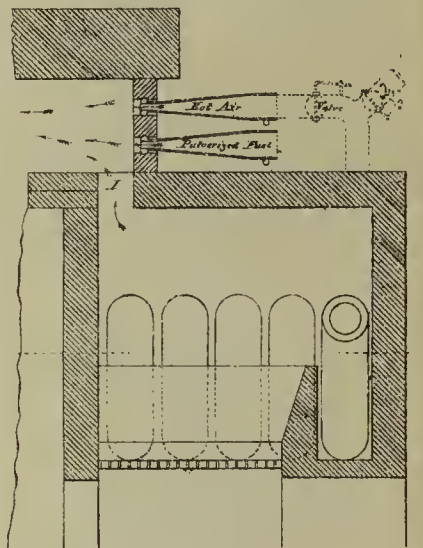
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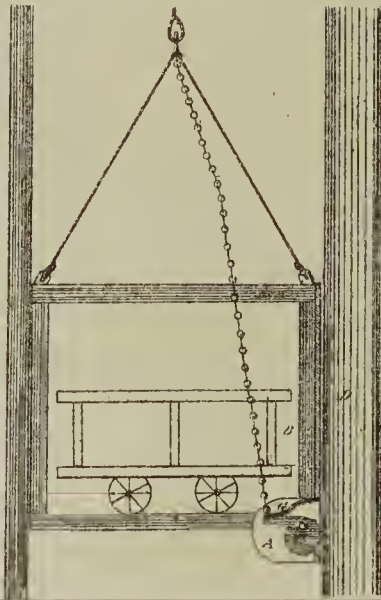
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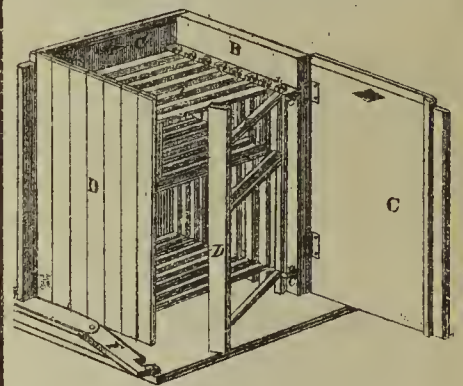
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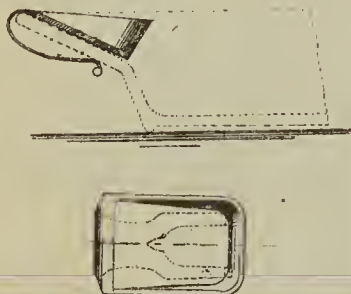
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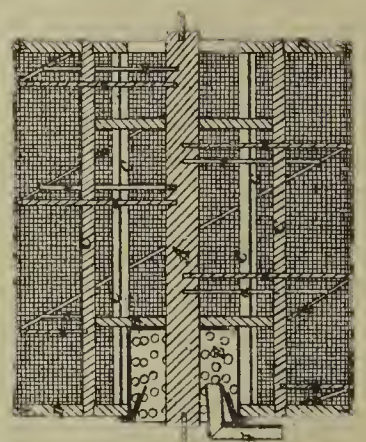
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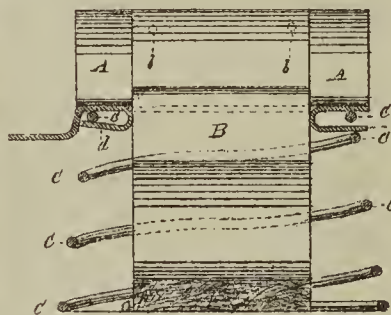
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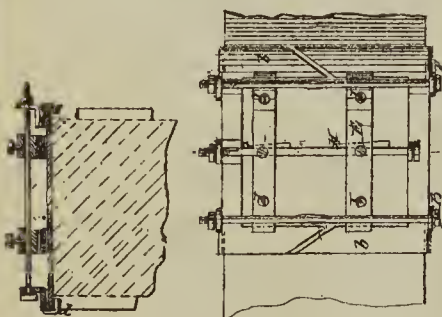
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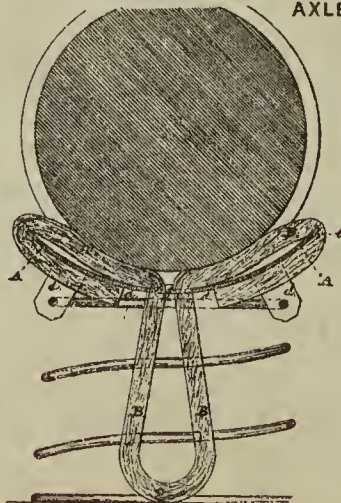
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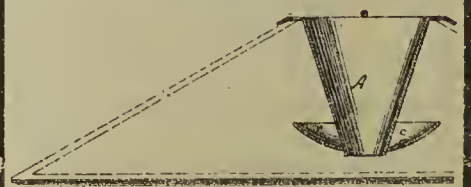
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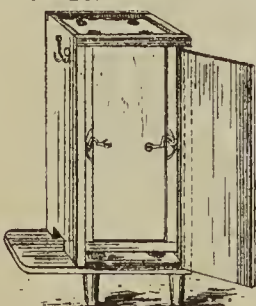
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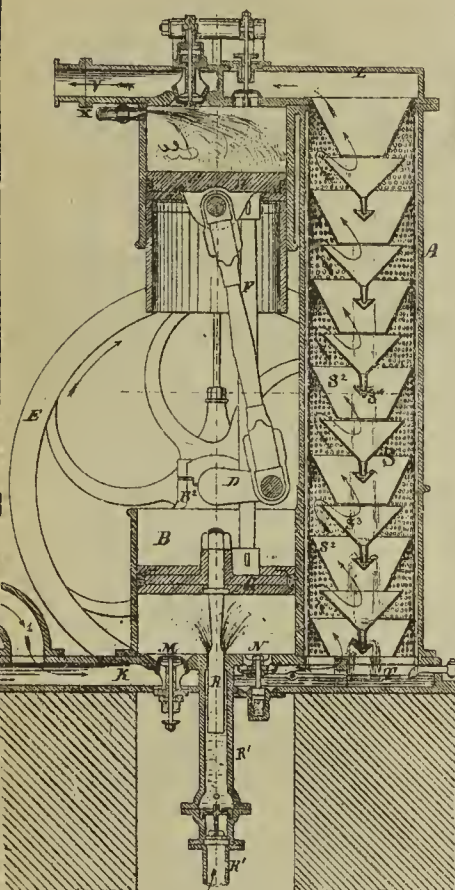
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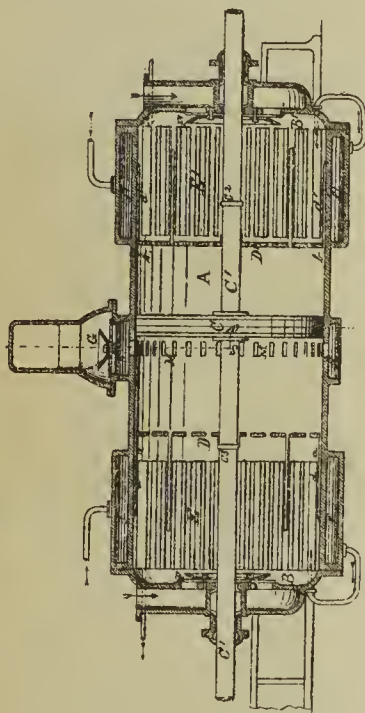
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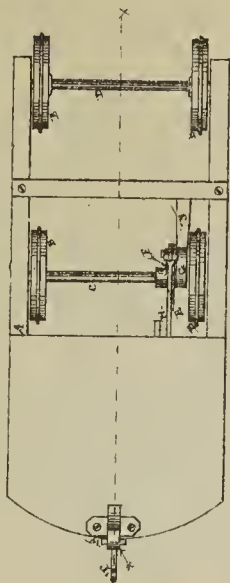
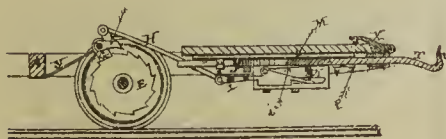
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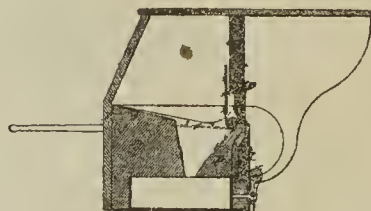
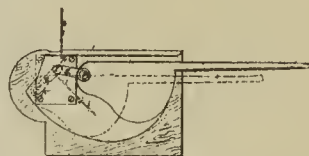


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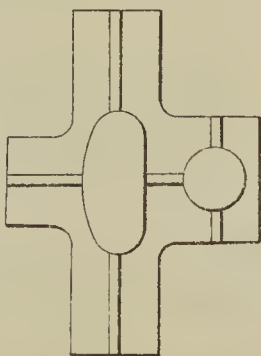
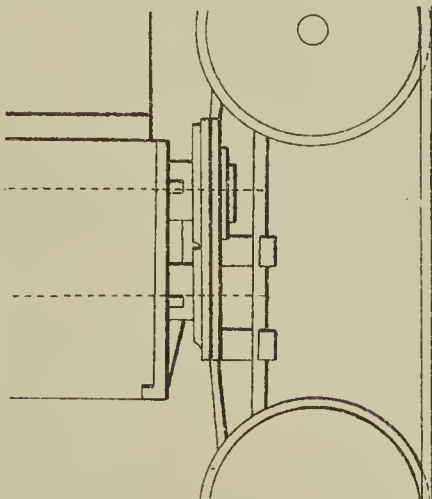


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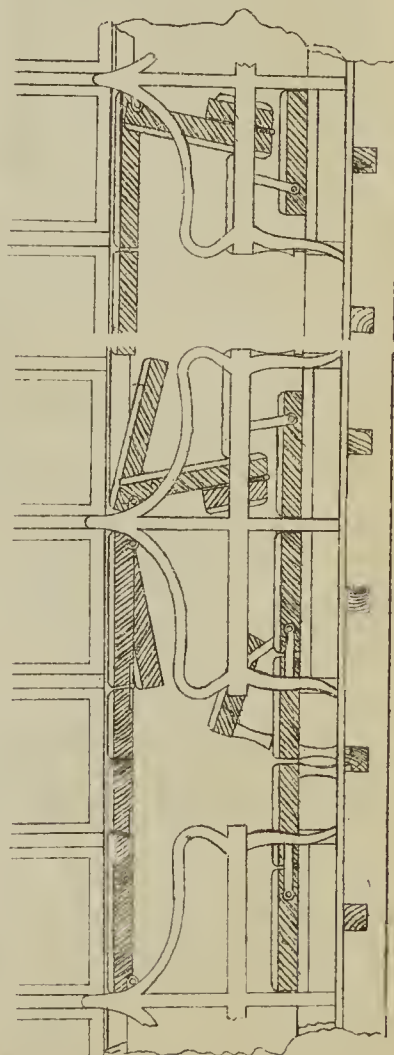
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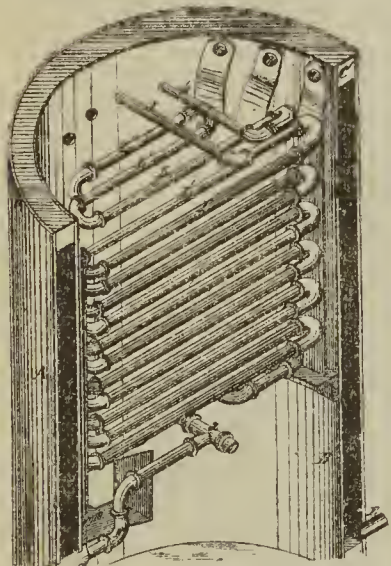
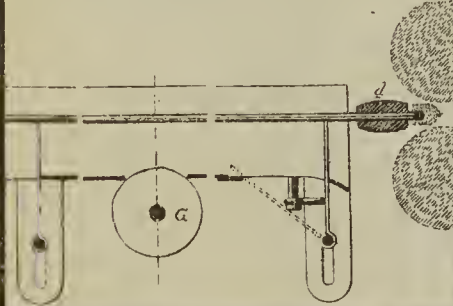
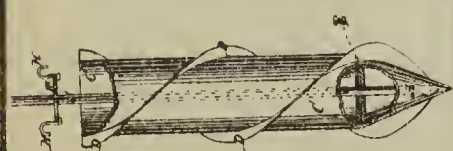
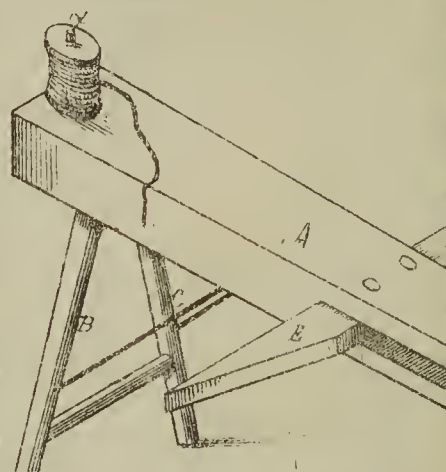


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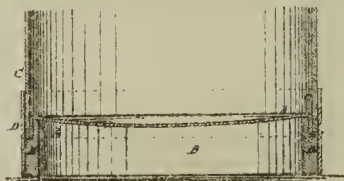
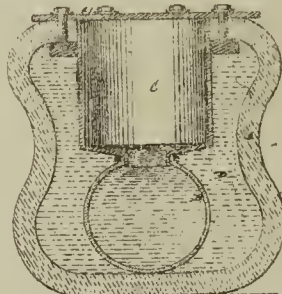
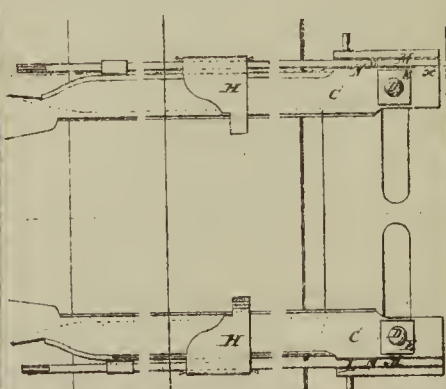
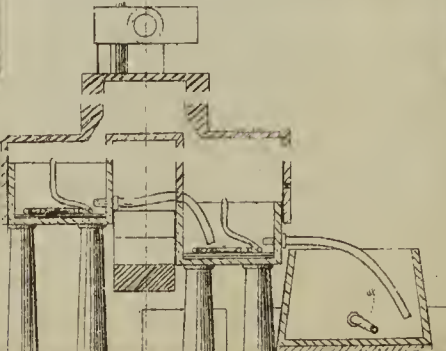
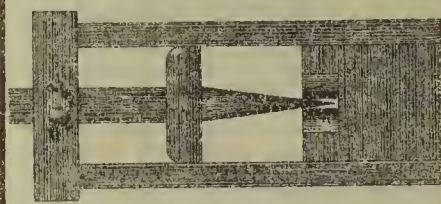
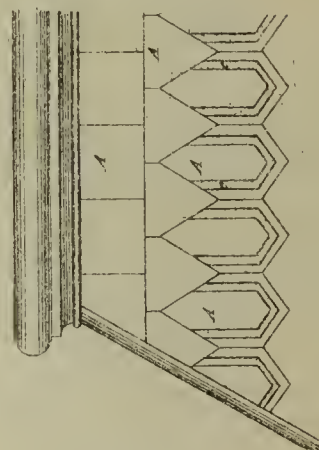
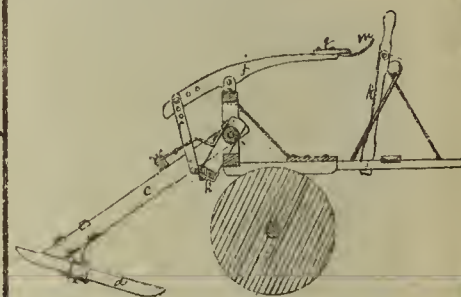
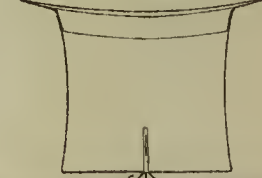
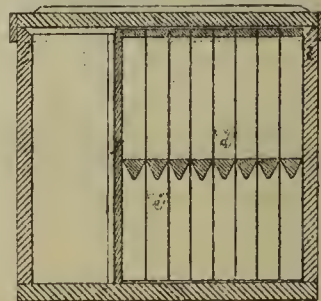
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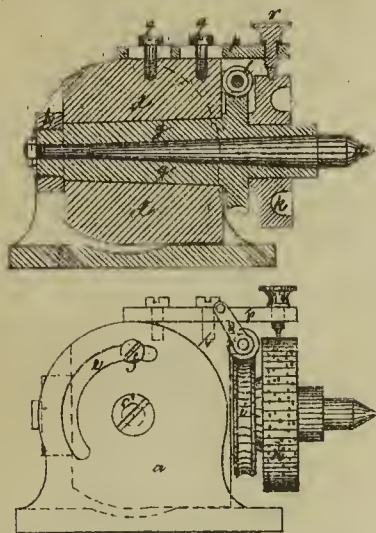
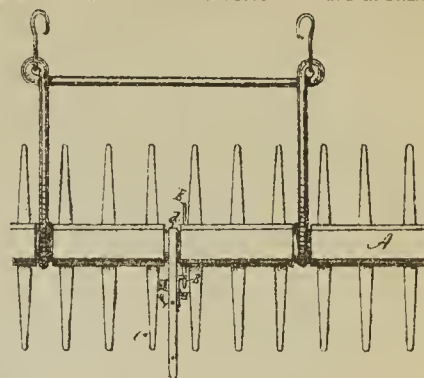
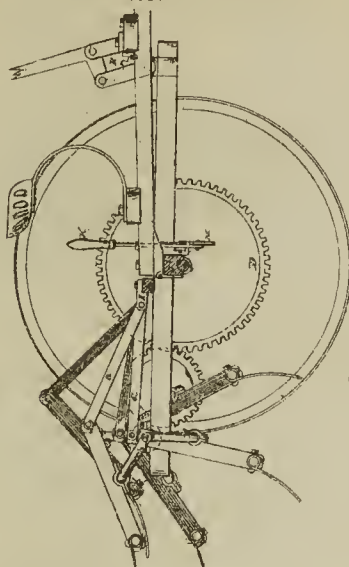
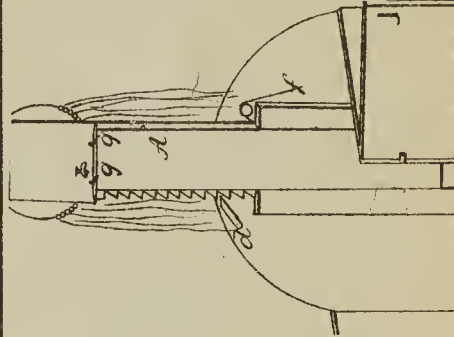
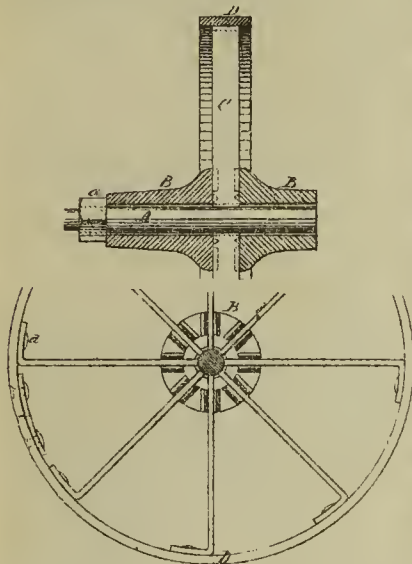
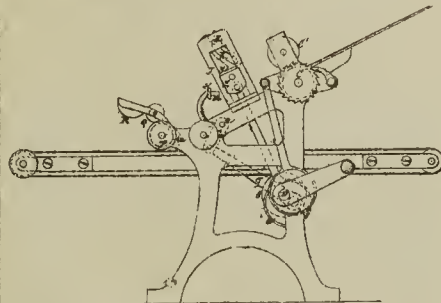
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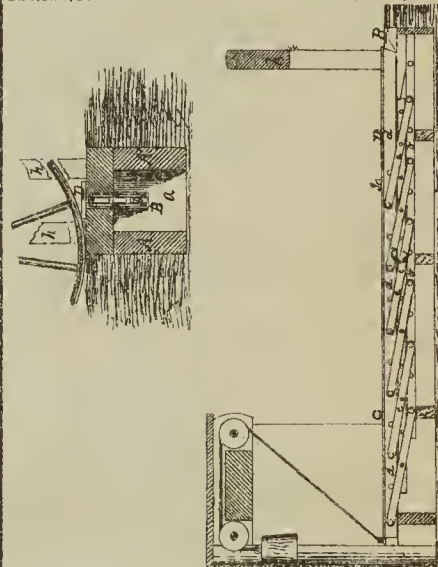
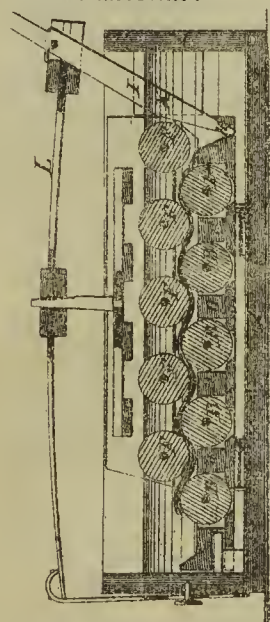
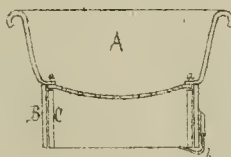
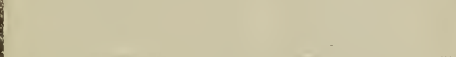
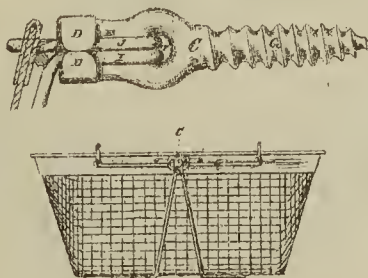
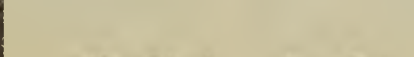
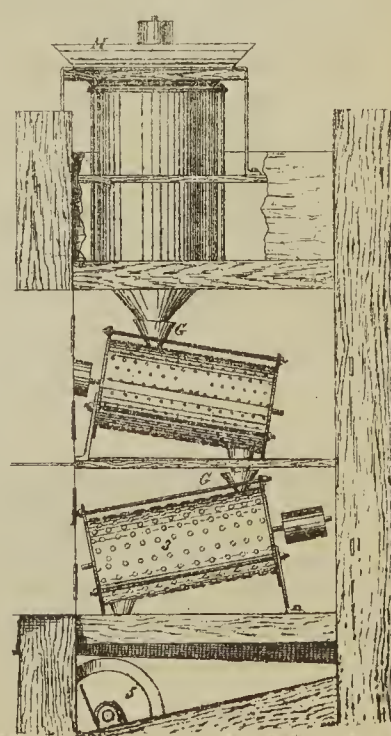
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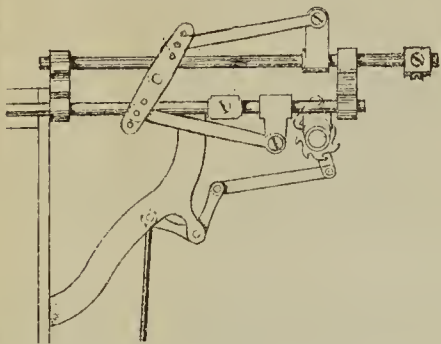
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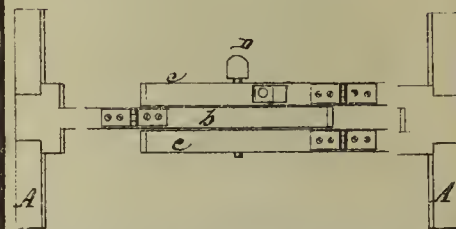
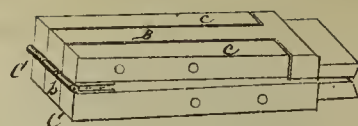
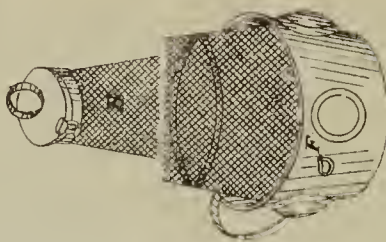
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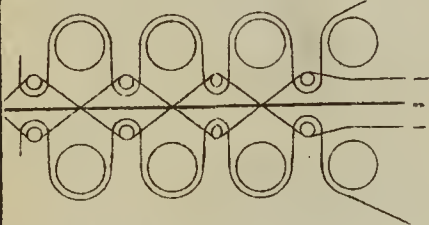
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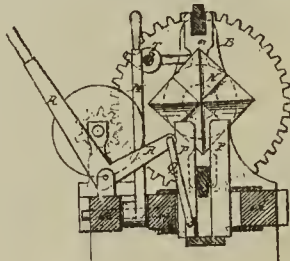
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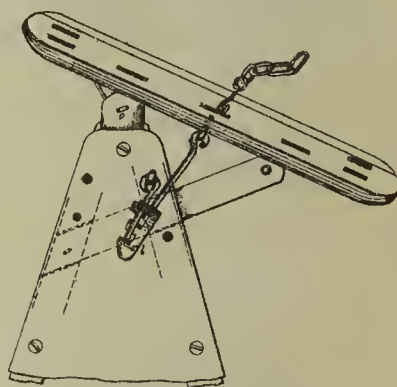
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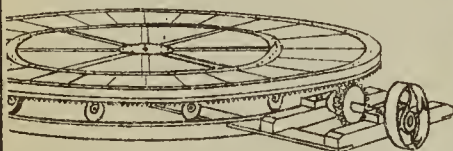
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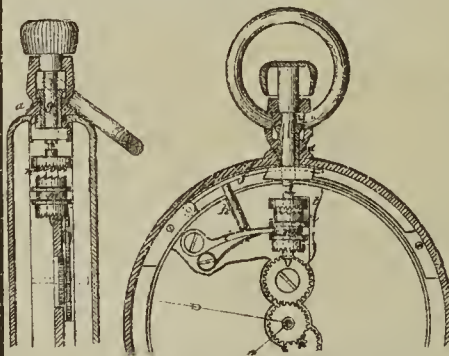
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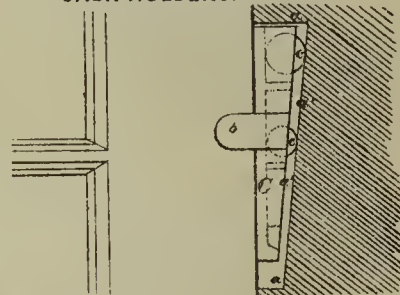
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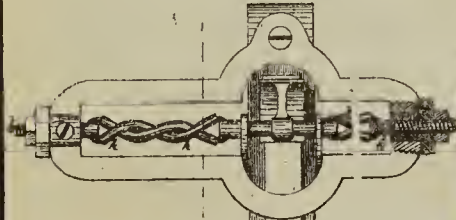
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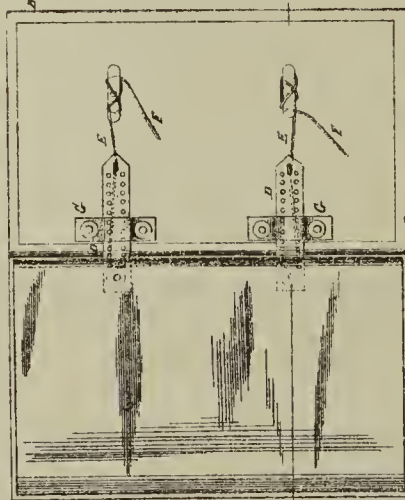
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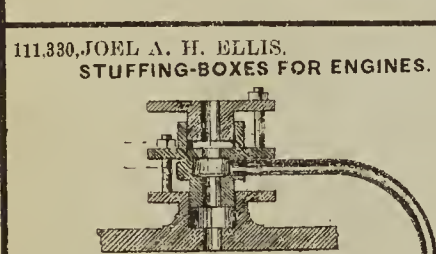
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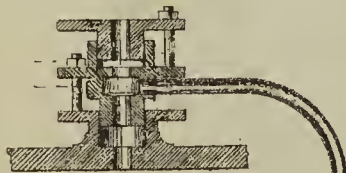
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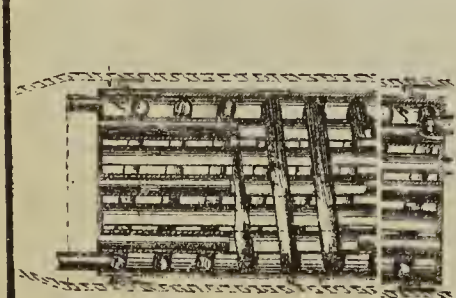
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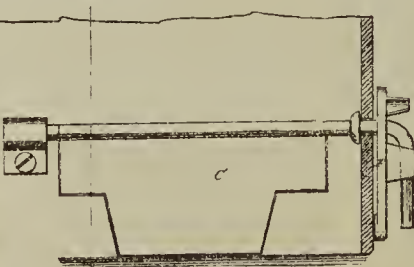
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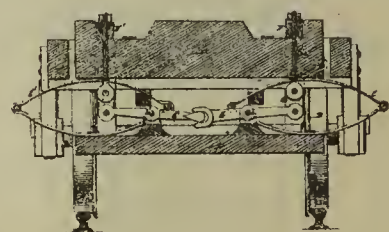
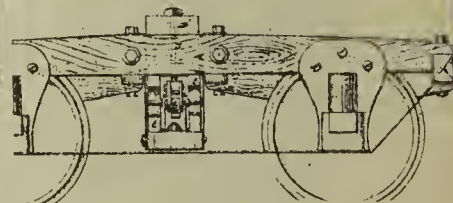


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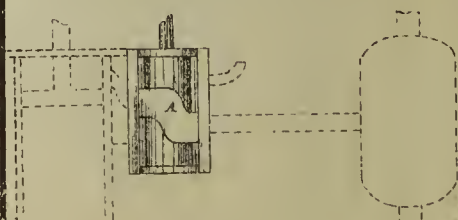


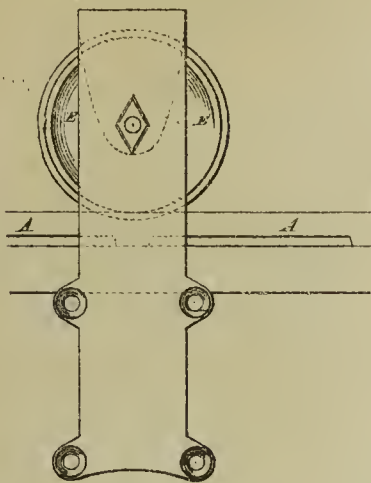
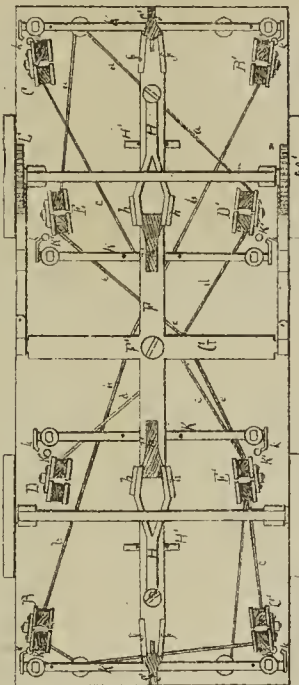
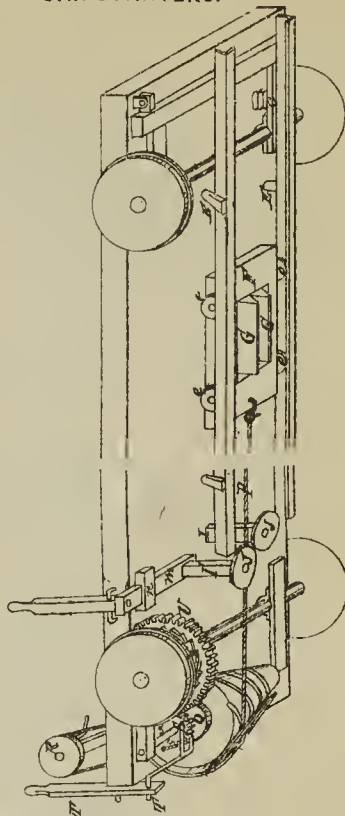
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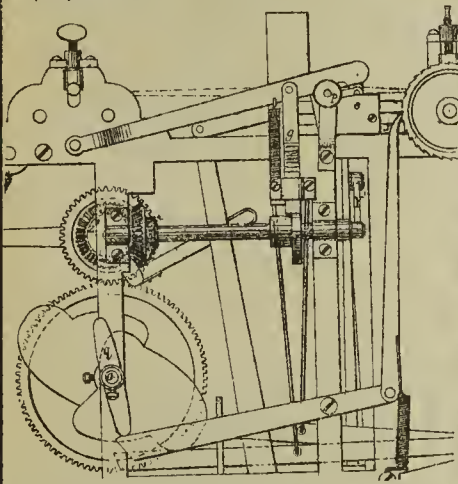


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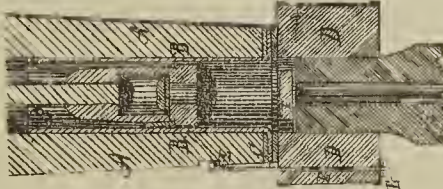
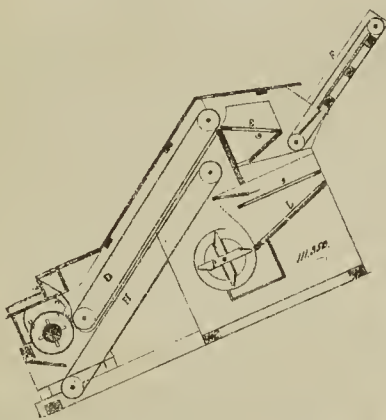


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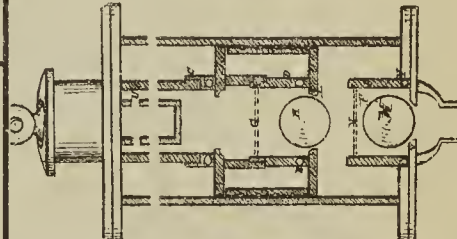
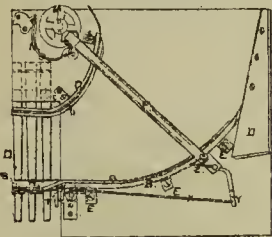
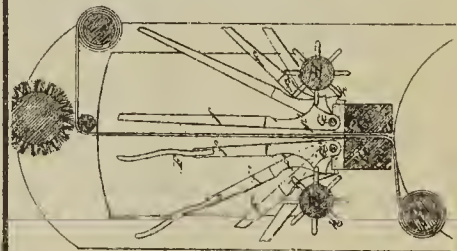
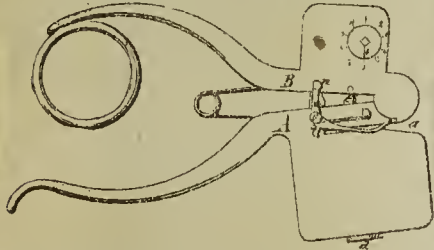
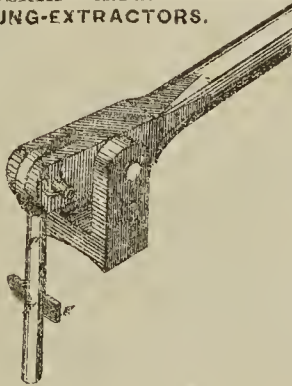
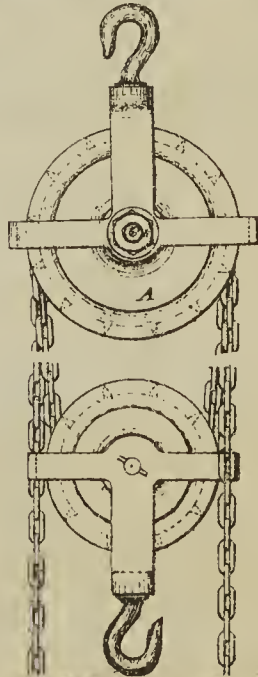
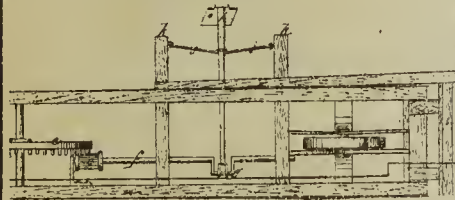
111,343. EMORY B. HASTINGS. LOOMS.



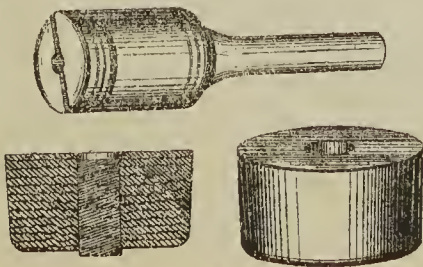
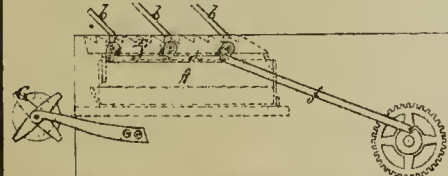
111,349. TRUMAN O. JONES. PUMPS.

111,350. LOUIS KAMP.
CORN-SHELLING AND
CLEANING-MACHINES.

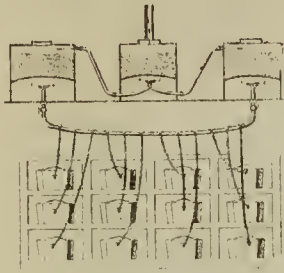
111,354. THOMAS J. LAPSLEY. PUMPS.

111,344. GEORGE W. HINES.
HARVESTER-RAKES.111,355. H. HENRY LINDHORST.
CARPET-CLEANERS.111,345. AUSTIN D. HOFFMAN.
REGISTERING TICKET-PUNCHES.111,351. JOSIAH KIRBY.
BUNG-EXTRACTORS.111,356. ANDREW B. LIPSEY.
HOISTING APPARATUS.111,346. JOSEPH R. HOOD.
COTTON-CHOPPERS.

111,352. JOSIAH KIRBY. BUNGS.

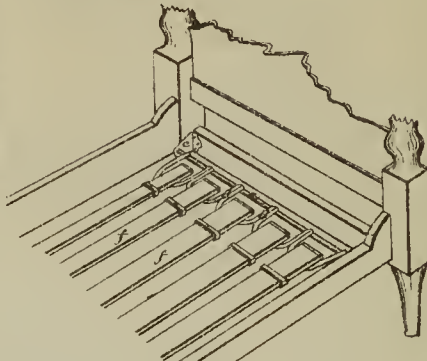
111,347. JAMES W. HUNTOON.
GRAIN-SEPARATORS FOR
THRASHING-MACHINES.

111,357, J. M. LOWENSTEIN.
FERTILIZING COMPOUNDS.

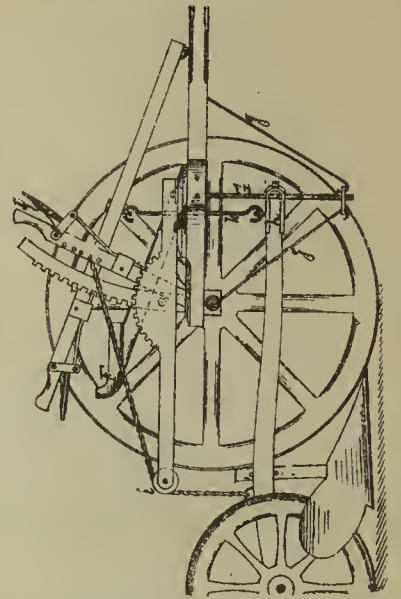


111,358, R. F. LYFORD, M. D.
DISINFECTING AND VENTILATING
BURIAL VAULTS.

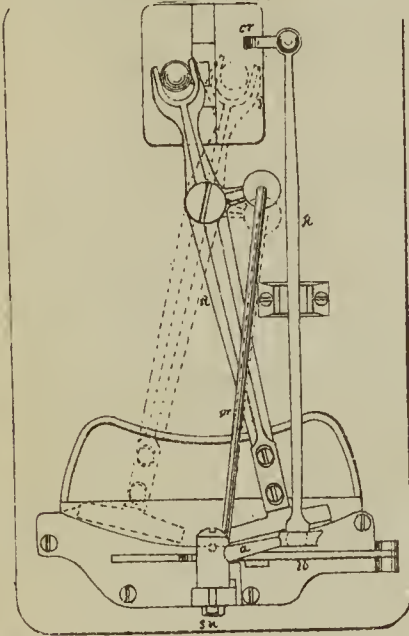
111,362 ERWIN WILLIAMS MAXSON.
SPRING BED-BOTTOMS.



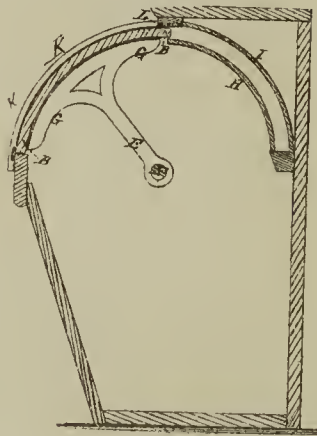
111,366 EDWARD MELOY.
ABRAM R STANLEY
SULKY-PLOWS.



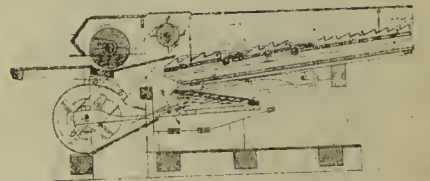
111,359, WILLIAM A. MACK.
SEWING-MACHINES.



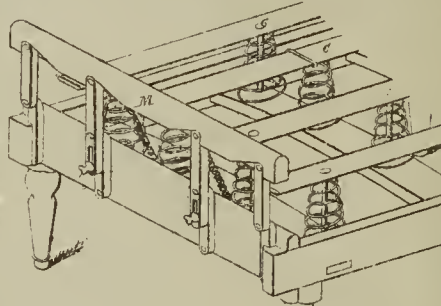
111,363, ALONZO S. MAXWELL.
COVERS FOR BINS.



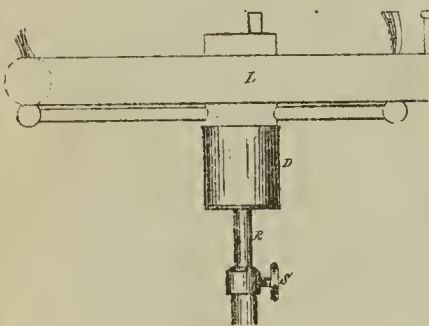
111,367, JOSEPH H. MILLER.
THRASHING-MACHINES



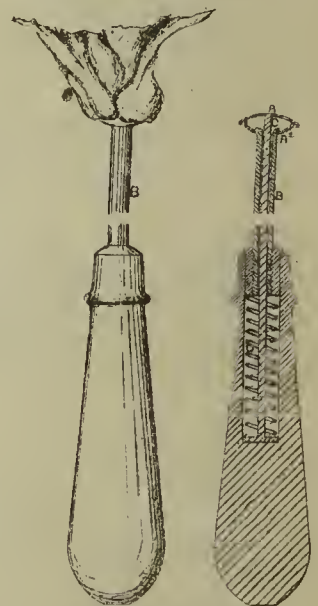
111,364, WILLIAM McARTHUR.
BEDSTEADS AND SPRING BED-BOTTOMS.



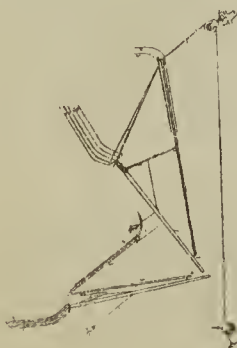
111,360, CHARLES D. MACQUEEN, LAMPS.



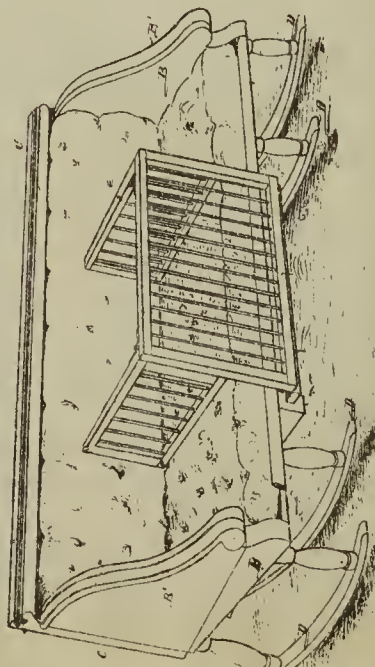
111,368, CHARLES S. MOORE.
SILAS A. MOORE.
LAMP CHIMNEY AND DISH WASHERS.



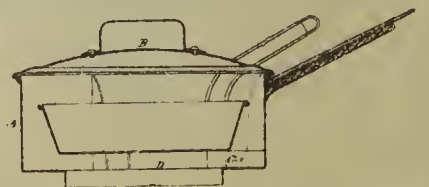
111,361, ELIAS MAGRUDER.
HOISTING-FORKS.



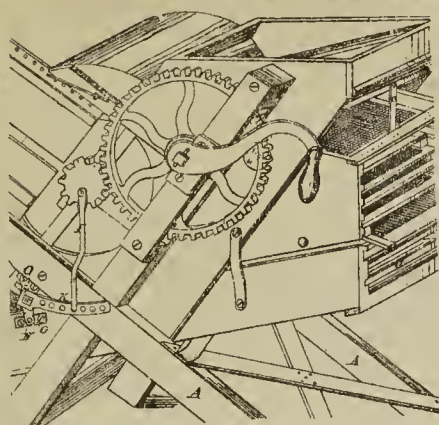
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COMBINED ROCKING SOFAS AND
BEDSTEADS.



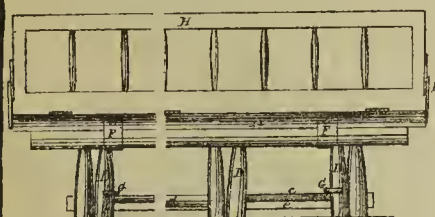
111,369, FRANCIS MORANDI.
CULINARY VESSELS.



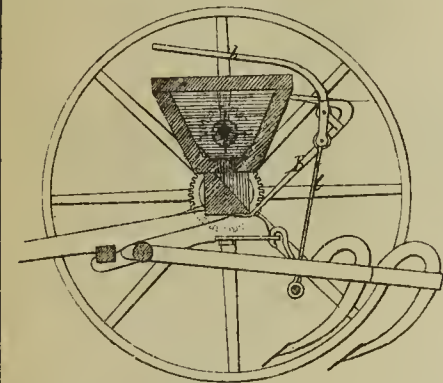
111,370, CAMPBELL MORFIT.
MANUFACTURE OF SUPERPHOSPHATE
OF LIME.



111,371 HENRY T. MORSE.
FOLDING SETTEES.

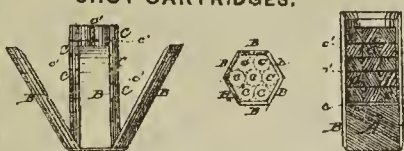


111,372, JAMES T. MOTT.
SFFDERS AND CULTIVATORS.

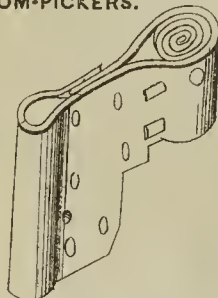


111,376, J. W. OSBORNE.
PRESERVING-COMPOUNDS FOR
THE HANDS, &c.

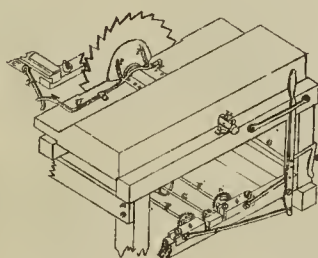
111,377, SETH WHITE PAINE.
SHOT-CARTRIDGES.



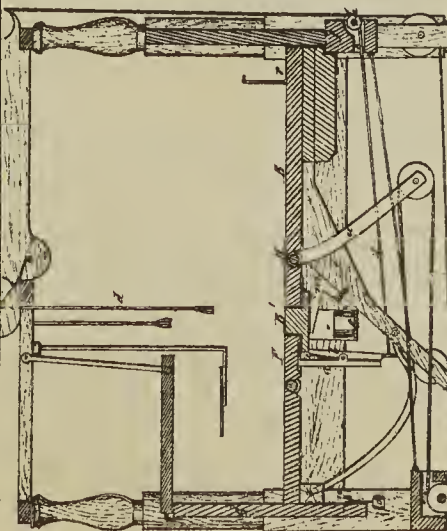
111,378, JEROME M. PARKER.
LOOM-PICKERS.



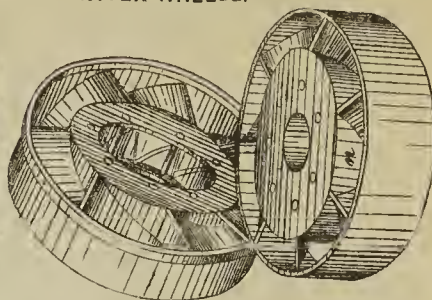
111,379, WILLIS PORTER.
SHINGLE-MACHINES.



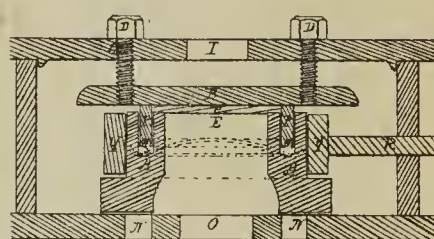
111,380, WM. O. REID.
INVALID BEDSTEADS.



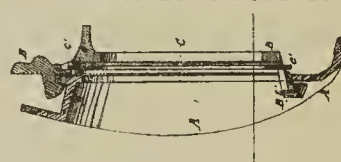
111,381 JACOB R. REYMAN.
WATER-WHEELS.



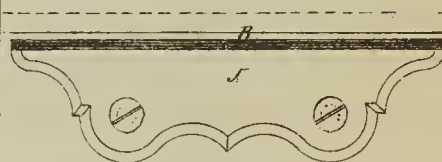
111,382, GEO. W. RICHARDSON.
BALANCE SLIDE-VALVES FOR
STEAM-ENGINES.



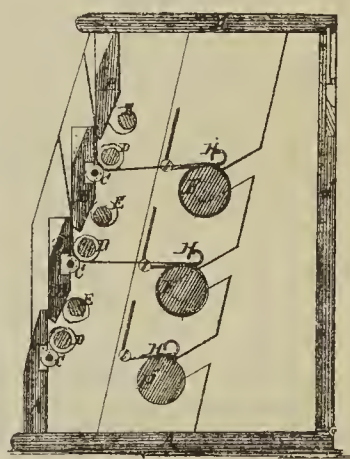
111,383, GEO. G. RICHMOND.
MICA-FRAMES FOR STOVES.



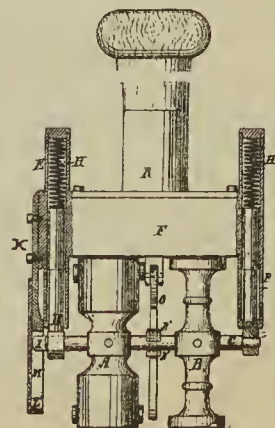
111,384, PARLEY D. ROOT.
PORTABLE SHELVES AND SUPPORTS.



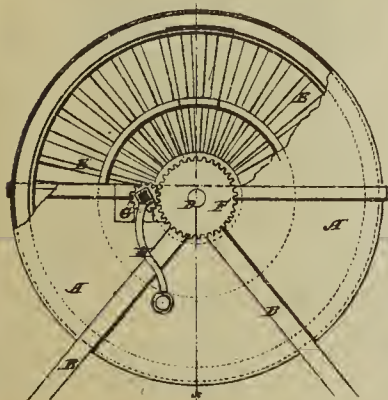
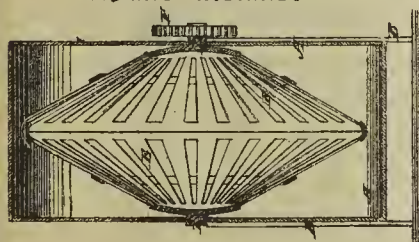
111,385, JULIUS ROPES.
POSTAGE-STAMP HOLDERS.



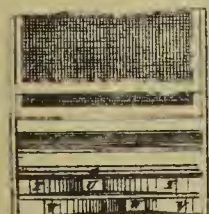
111,386, GOTTLIEB ROST.
HAND-STAMPS.



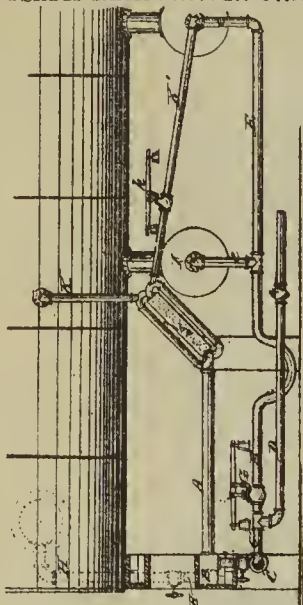
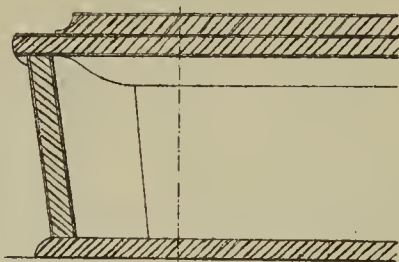
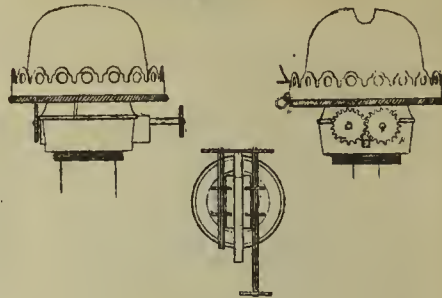
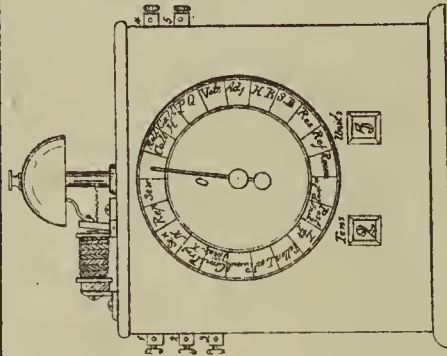
111,374, ANDREW JACKSON NAVE.
WASHING-MACHINES



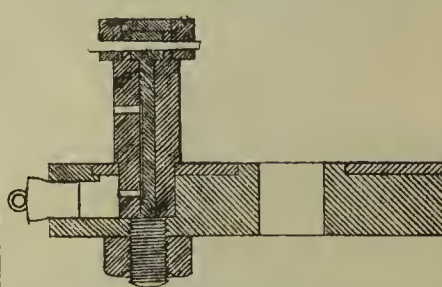
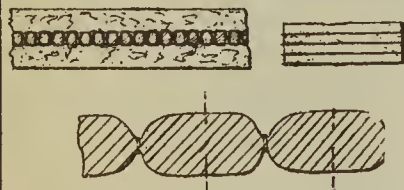
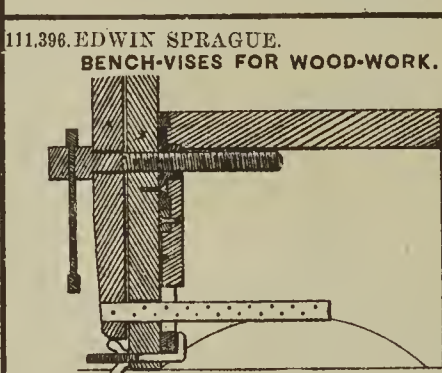
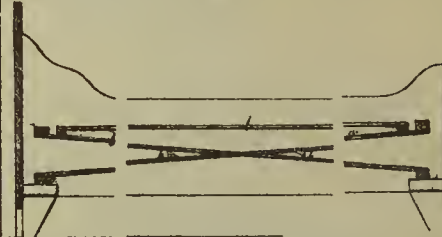
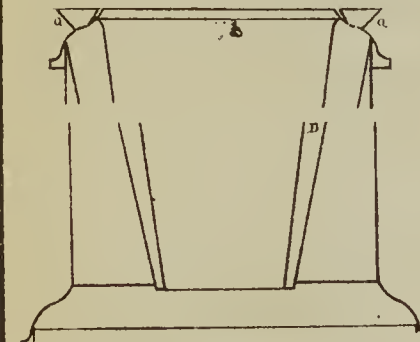
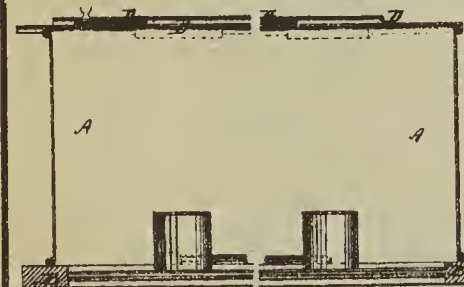
111,375, HARRISON OGBORN.
FANNING-MILLS.



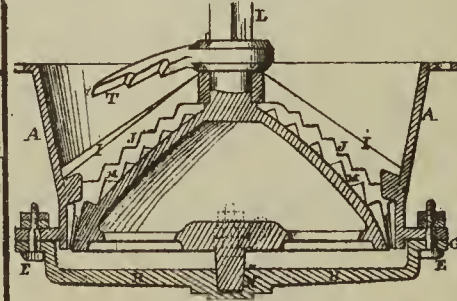
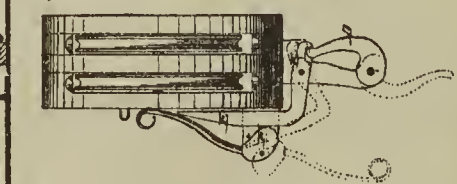
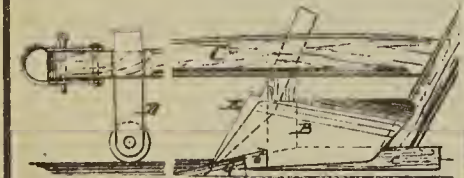
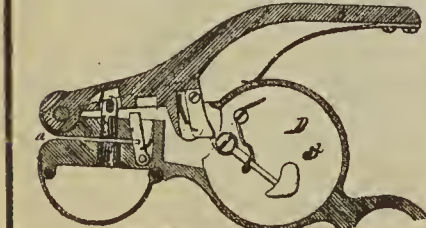
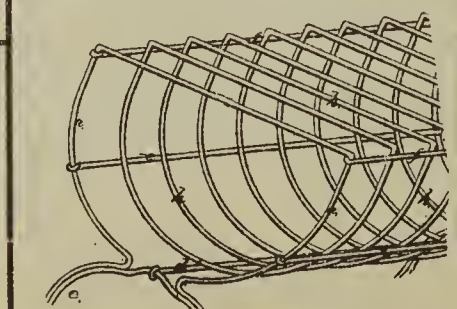
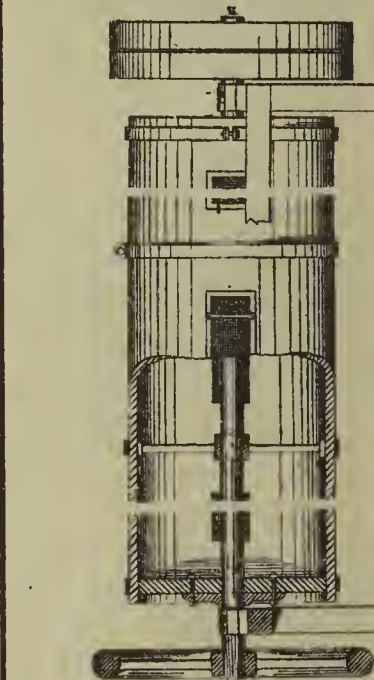
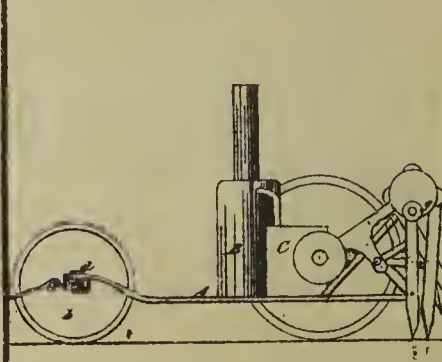
111,387, JOSEPH RYAN. WATER-GRATES.

111,393, E. T. SMITH. BURIAL-CASKETS.
J. S. WINSTON.111,400, FREEMAN AUGUSTUS TABER.
LAMP-BURNERS.111,394, WESLEY D. SMITH.
ELECTRO-MAGNETIC INDICATORS.

111,401, JOHN TENWICK. LUBRICATORS.

111,388, E. SCHNAUTZ.
ROLLS FOR HAIR-DRESSING111,395, ANTONIO SOLARI.
COMPOSITIONS FOR FLOORS.
PAVEMENTS, &c.111,396, EDWIN SPRAGUE.
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BED-BOTTOMS.111,389, JOHN Q. C. SEARLE.
BASE-BURNING STOVES.111,390, LOUIS SIEBERT.
JOHN WILSON LILLEY.
HEATERS FOR PAPER-RULING MACHINES

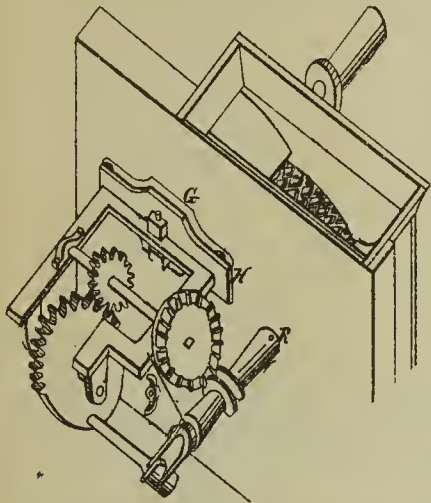
111,397, F. STAMM. BARK-MILLS.

111,398, GEORGE STANCLIFF.
BOAT-DETACHING APPARATUS.111,391, JOSEPH SINGER.
CULTIVATOR-PLOWS.111,392, JAMES H. SMALL.
REGISTERING TICKET-PUNCHES.111,399, W. T. STOUTENBOROUGH.
HOLDERS FOR PLATES WHILE BEING
WARMED.111,403, WILLIAM THOMPSON.
SAMUEL THOMPSON.
CLEANING AND POLISHING COFFEE111,404, ISAAC P. TICE.
DIGGING-MACHINES.

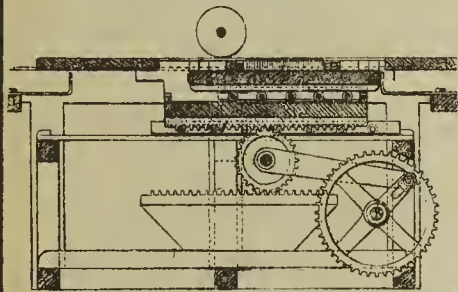
111,405, RICH'D. VOSE.
CURTAIN-FIXTURES



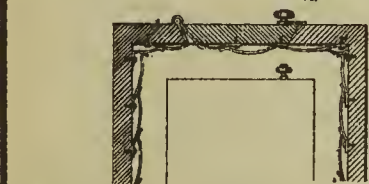
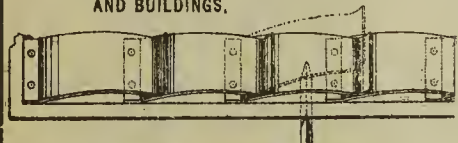
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COMBINED COFFEE-MILLS AND
APPLE-PARERS.



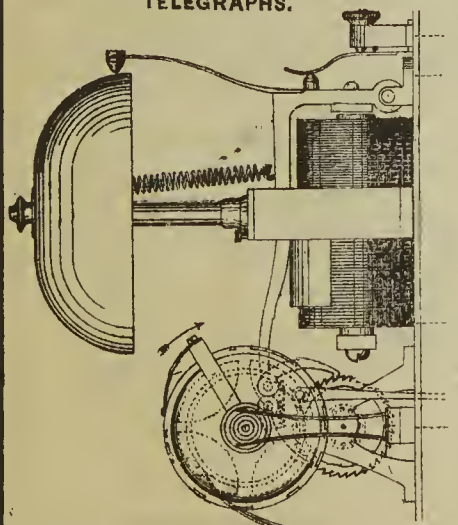
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PRINTING-PRESSES.



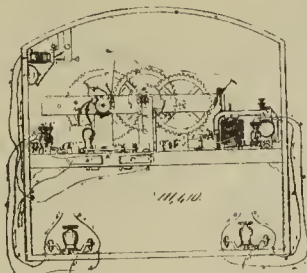
111,408, WILLIAM B. WATKINS.
TELEGRAPHIC PROTECTIONS FOR SAFES, VAULTS,
AND BUILDINGS.



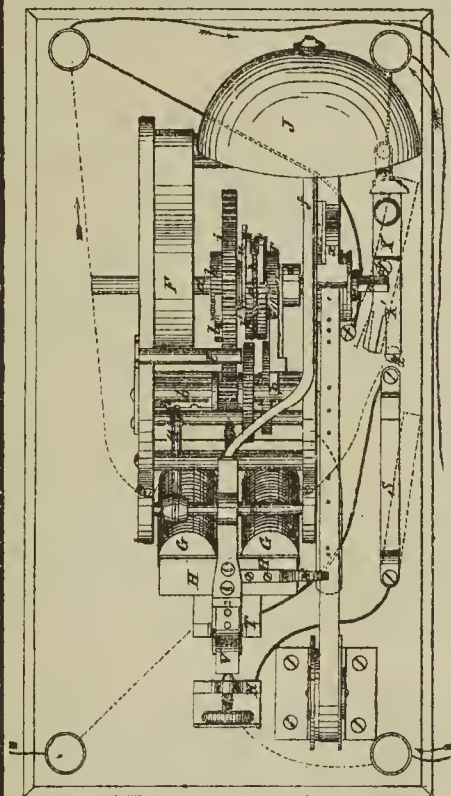
111,409, WILLIAM B. WATKINS.
BURGLAR-ALARM AND POLICE
TELEGRAPHS.



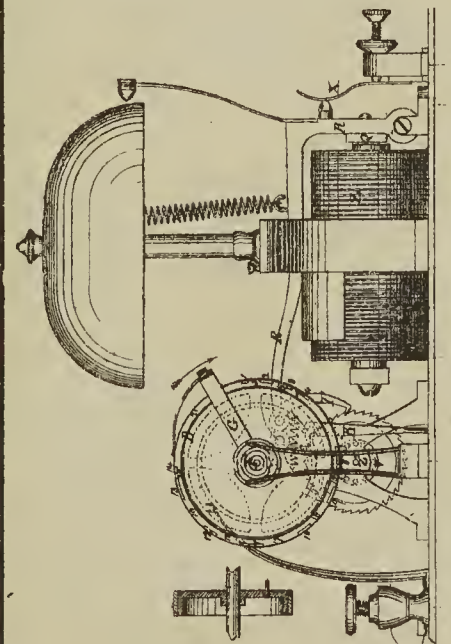
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FIRE-ALARM TELEGRAPHS.



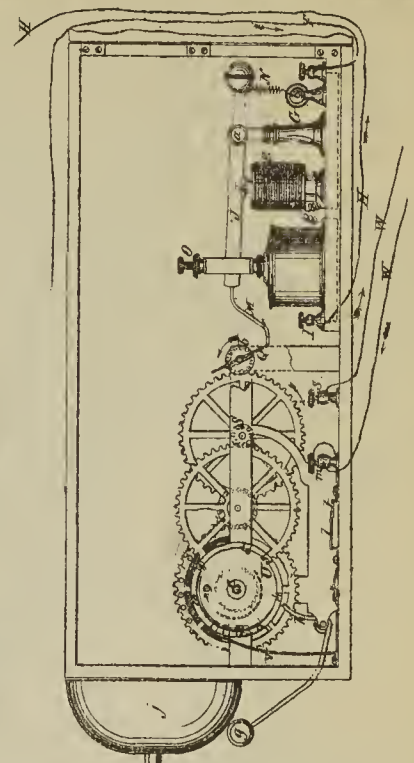
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FIRE-ALARM TELEGRAPHS.



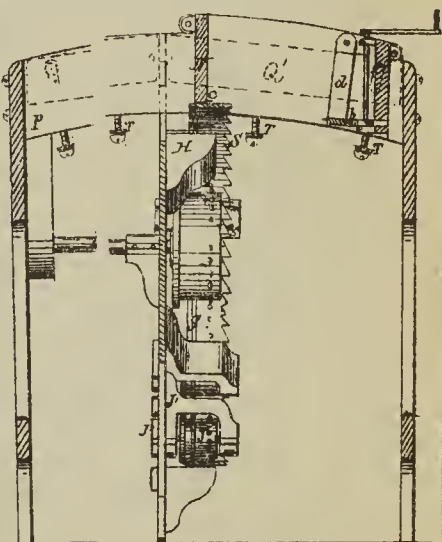
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FIRE-ALARM TELEGRAPHS.



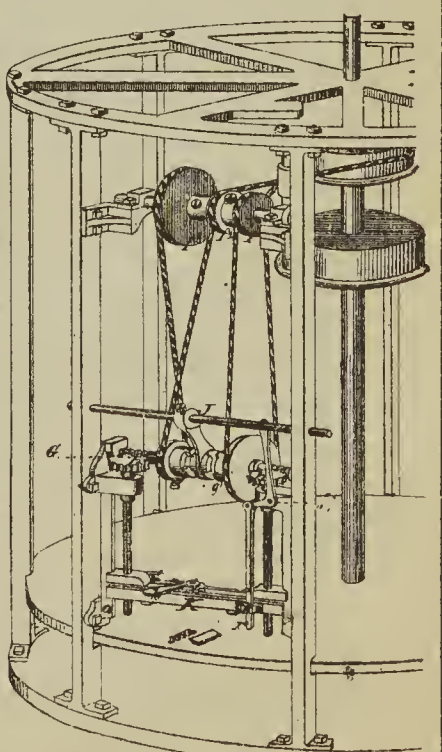
111,413, WILLIAM B. WATKINS.
FIRE-ALARM TELEGRAPHS.



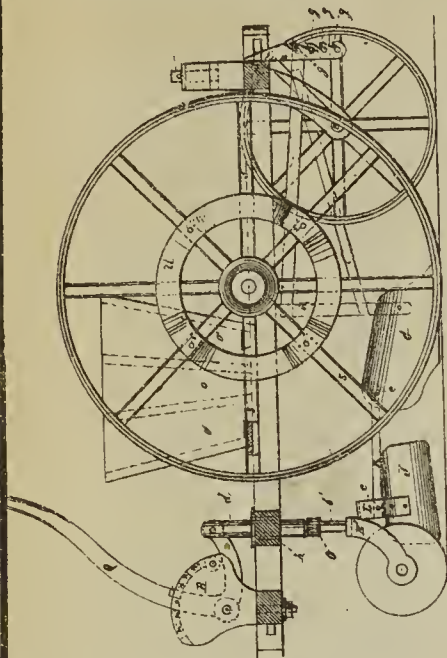
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STAVE-SAWING MACHINES.



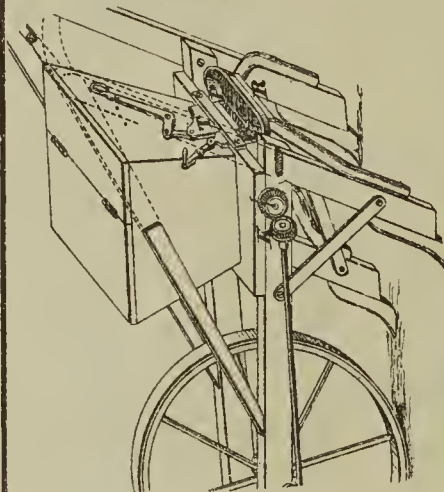
111,415, CHARLES WOLFF, SR.
CHARLES WOLFF, JR.
MACHINES FOR DISINTEGRATING WOOD.



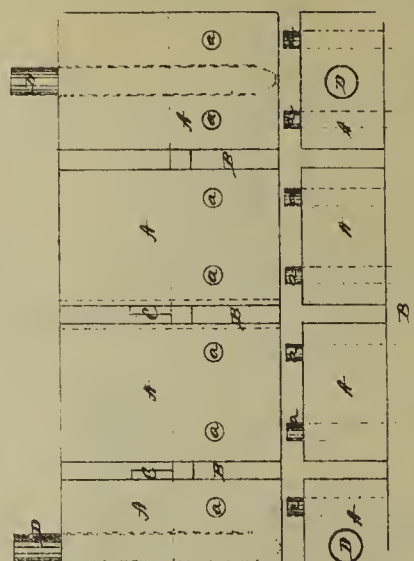
111,416 JOHN W. WOOD.
GABRIEL MOORE.
CORN AND PHOSPHATE-DRILLS.



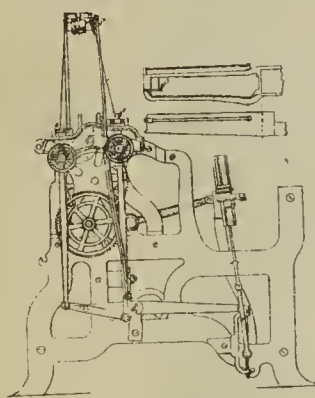
111,421 TURNER BARNES. GRAIN-DRILLS.
HUGH S. JAMISON.



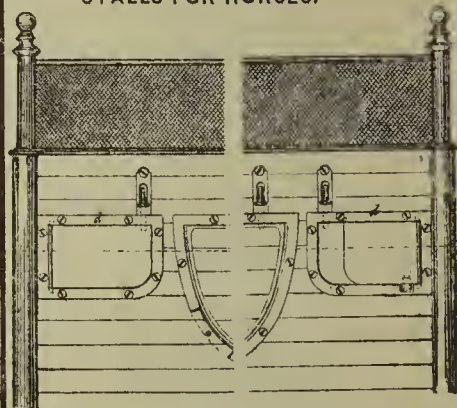
111,425, H. M. BEIDLER.
WOOD PALEMENTS.



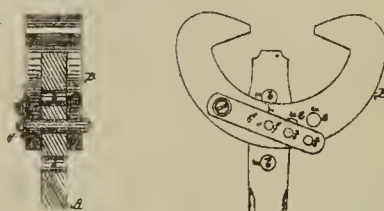
111,417, HORACE WYMAN.
BOX-OPERATING MECHANISMS
FOR LOOMS.



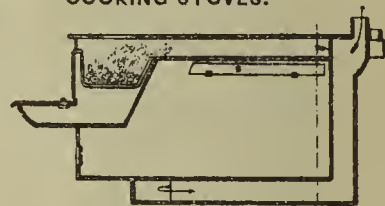
111,426, SAMUEL S. BENT.
STALLS FOR HORSES.



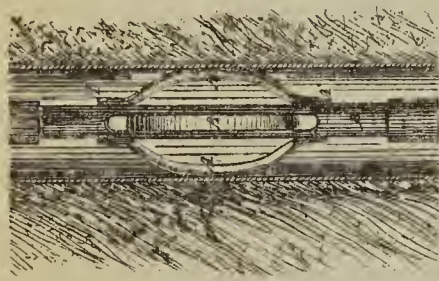
111,422, ORAMEL GRAVES BARRETT.
PIPE-WRENCHES.



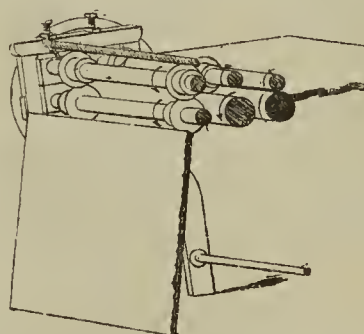
111,427, SAM'L. BLUE.
COOKING-STOVES.



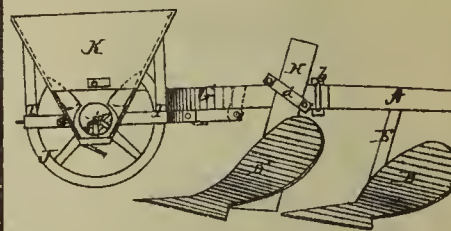
111,418, THOMAS ARNOLD.
TUBE-HOLDERS.



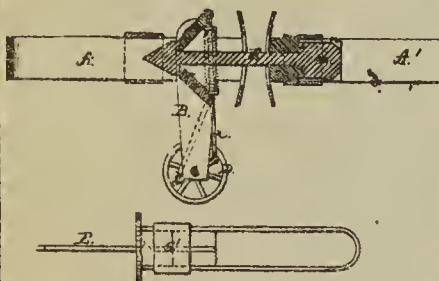
111,423, GEORGE BATES.
PAPER-CUTTING MACHINES.



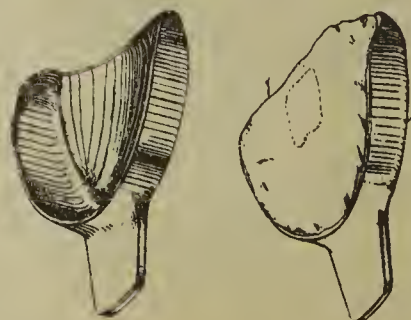
111,428, JOEL L. BOND.
COMBINED GANG AND SUBSOIL-PLOWS.



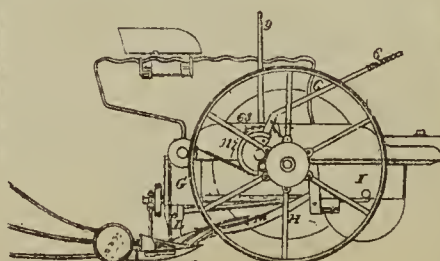
111,419, DAVID H. BALL.
CAR-COUPPLINGS.



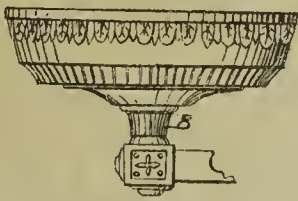
111,429 MARY A. BOUGHTON.
MODES OF FORMING THE AIR-CHAMBER
IN DENTAL-PLATES.



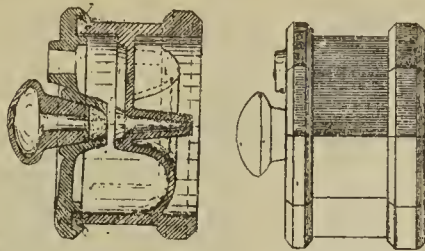
111,420, JAMES BALL.
ENVELOPE-MACHINES.



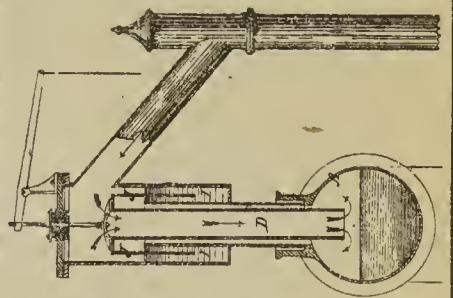
111,430. NATHANIEL L. BRADLEY.
CUPS FOR KEROSENE-LAMPS.



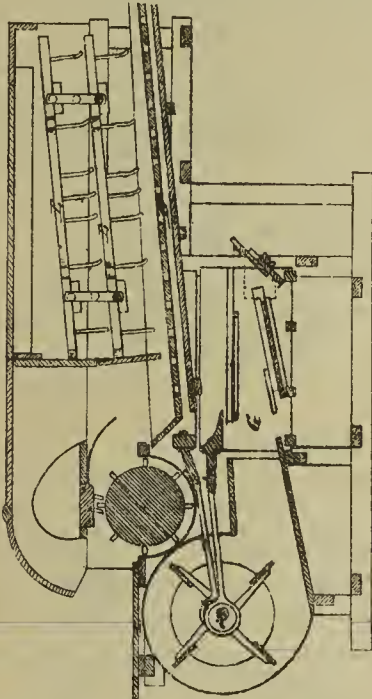
111,435 SAMUEL DARLING. INK STANDS.



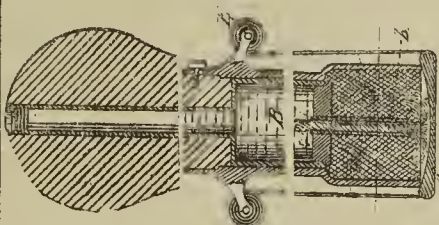
111,440. GRAFTON DOUTY.
SEALS FOR DIP-PIPES IN GAS-WORKS.



111,431. WILLIAM H. BUTTERWORTH.
JOHN BUTTERWORTH, JR.
GRAIN-THRASHERS AND CLEANERS.

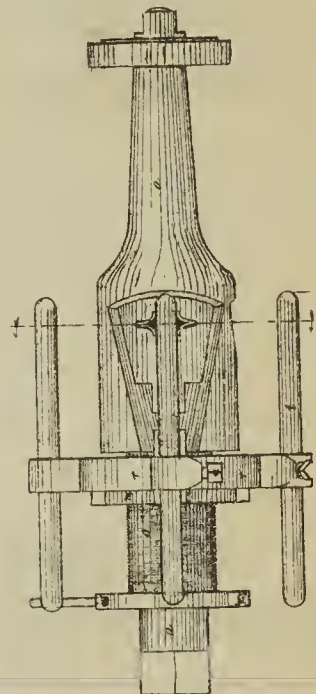


111,436 ARMISTEAD M. DARRELL.
BRANDING-STAMPS.

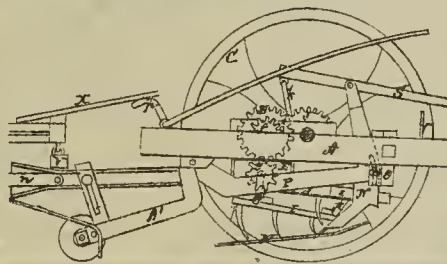


111,441. ELISHA DYER, JR.
LUBRICATING-COMPOUNDS

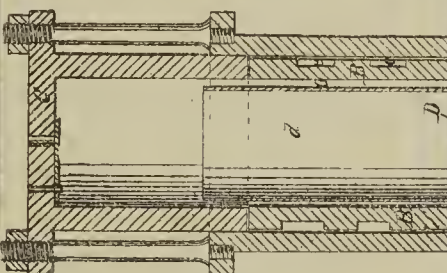
111,442. D. E. EATON. TUBE-CUTTERS.



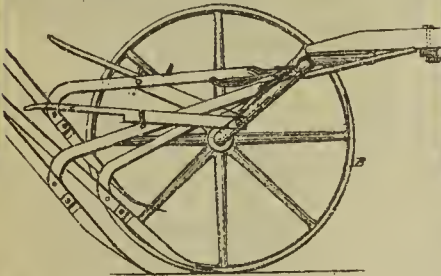
111,437. JAMES DAVIS. POTATO-DIGGERS.



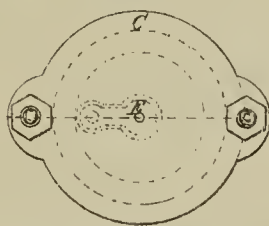
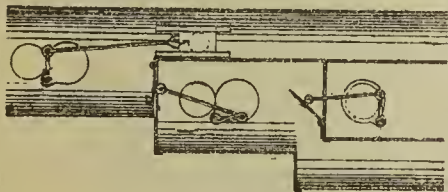
111,438. PATRICK S. DEVLIN.
COMBINED PNEUMATIC AND
RUBBER SPRINGS.



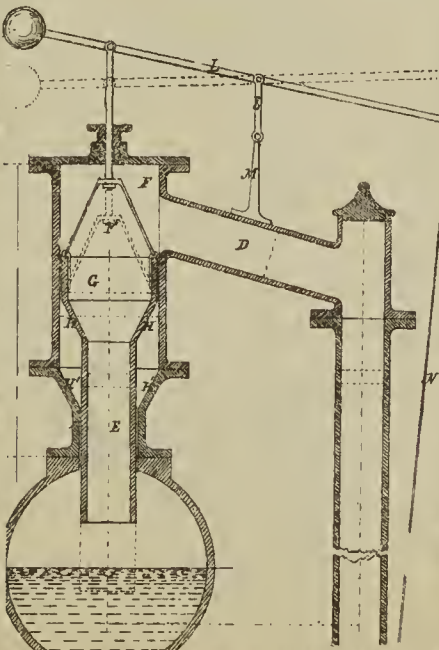
111,432. JARVIS CASE. CULTIVATORS.



111,433. HORACE C. CREHORE.
HOT-AIR DISTRIBUTING-PIPES.



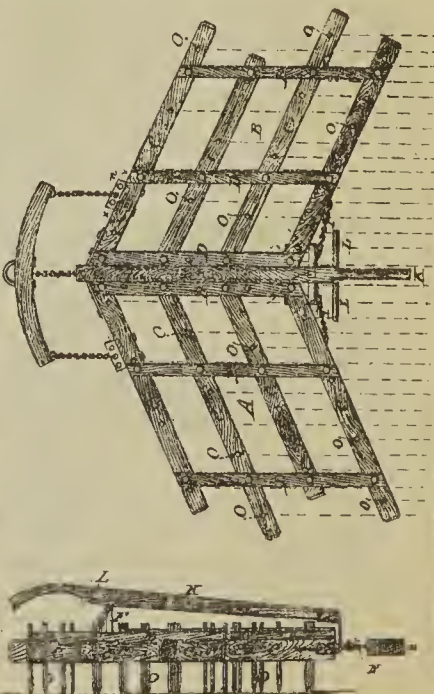
111,439 GRAFTON DOUTY.
SEALS FOR DIP-PIPES IN GAS-WORKS.



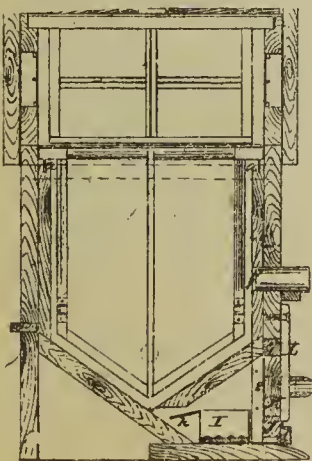
111,443. JOHN N. FALLIS.
COMPOUNDS FOR DRESSING AND
COLORING THE HAIR.

111,444. RASSELAS ^{his} ~~mark~~ FARLEY.
TREATING COTTON-SEED OIL TO
RENDER IT DRYING.

111,445 AUGUST FRIEDEMANN.
HARROWS.

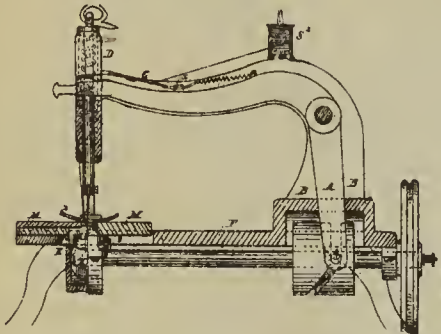


111,434. SAMUEL CUPLIN. BEE-HIVES.

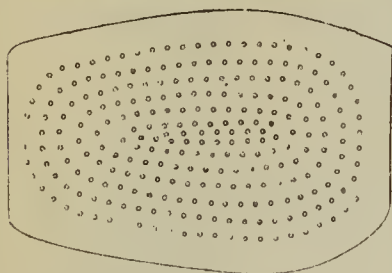
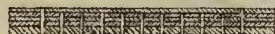


111,446. GEORGE B. GARMAN,
TEMPERING STEEL.

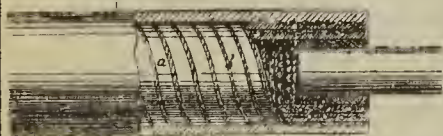
111,447. THOMAS GARRICK.
SEWING-MACHINES.



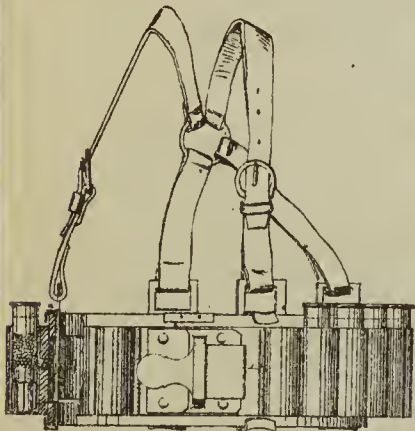
111,448. BENJ. D. GODFREY.
BOOT-AND-SHOE SOLES.



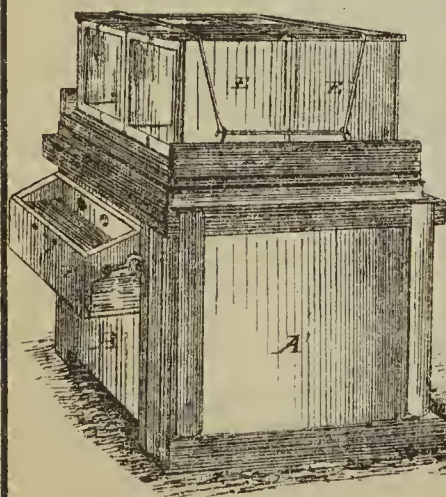
111,449. JOHN GREACEN, JR.
EDWARD L. PERRY.
RUBBER ROLLS.



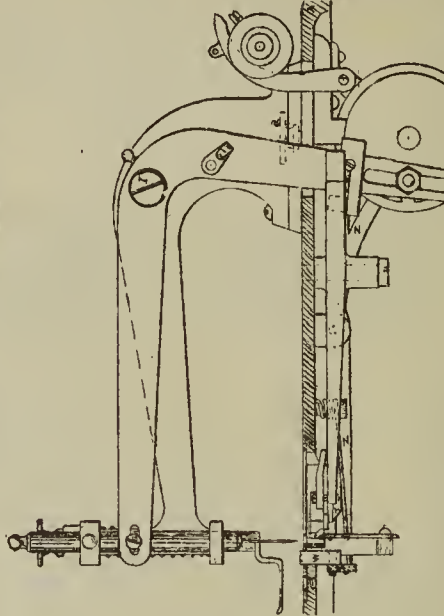
111,450. WILLIAM B. HAYDEN.
CARTRIDGE-BELTS.



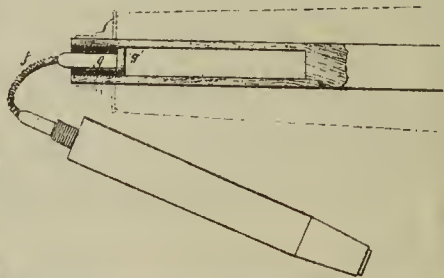
111,451. JOHN H. HENDRICK. BEE-HIVES.



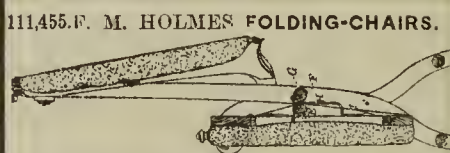
111,452. W. B. HIGGINS.
FEEDING MECHANISMS FOR
SEWING-MACHINES.



111,453. MASON HIRSH. UMBRELLAS.
LEOPOLD HIRSH.



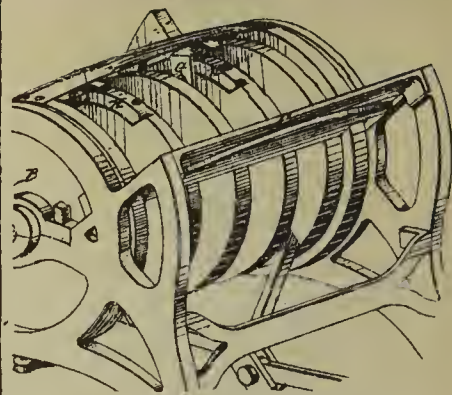
111,454. ISAAC C. McDONALD.
JAS. HOAGLAND.
MANUFACTURE OF SOAP.



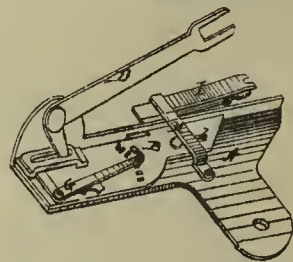
111,456. WM. J. HORSTMANN.
FASTENINGS FOR EPAULETTES.



111,457. A. J. HOWELL.
JAMES MURPHY.
MACHINES FOR CUTTING STAVES.

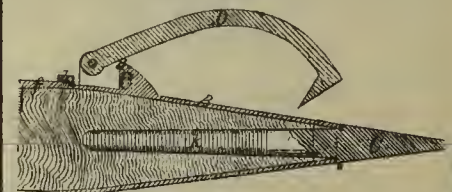


111,458. ALLEN JOHNSTON.
WILLIAM T. JOHNSTON.
GATHERING ATTACHMENTS FOR
SEWING-MACHINES.

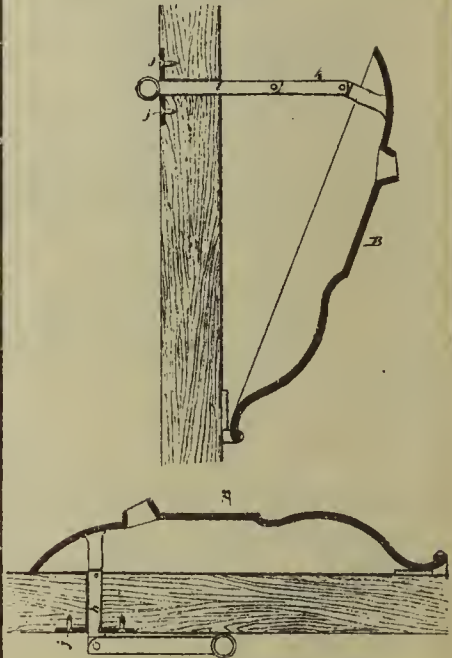


111,459. CHARLES T. KEMMER.
COATING AND DECORATING WALLS,
CEILINGS, &c.

111,460. AMOS KENNARD. CANT-HOOKS.



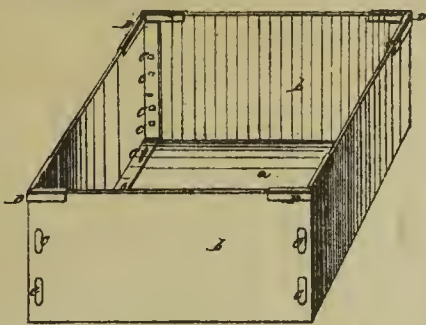
111,461. CYRUS LEVIS.
LETTER-BOXES.



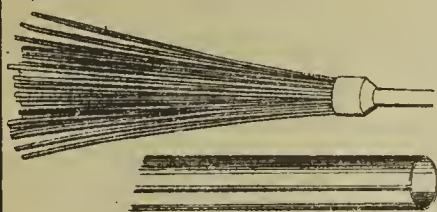
111,462. THOMAS MAIN.
PROPULSION OF CANAL-BOATS.



111,463, HENRY MANNECK. BOXES.



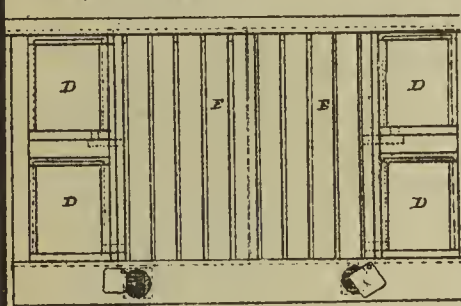
111,464, EZRA P. MARBLE. BROOMS.



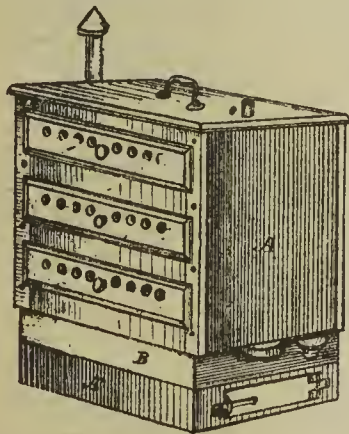
111,465, JOHN C. MAYALL. CARPET-LININGS.



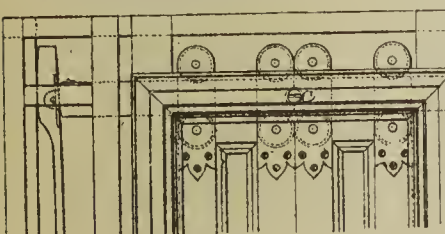
111,466, JOHN ARMSTRONG McANULTY. BEE-HIVES.



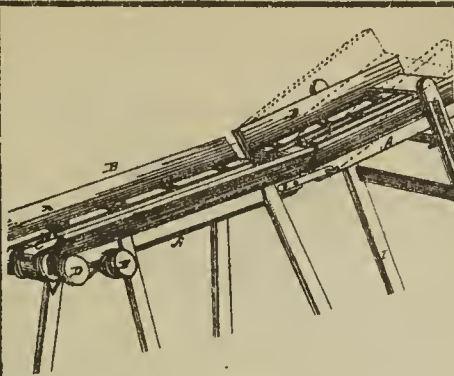
111,467, JOHN V. R. MILLER. FRUIT-DRIERS.



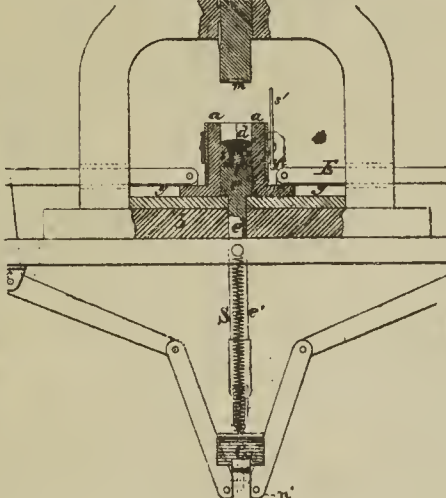
111,468, JOHN MORE. SLIDING-DOORS.



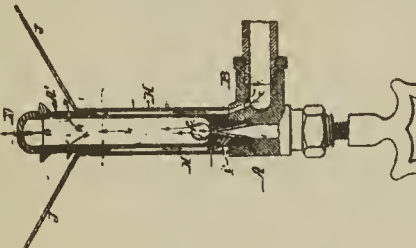
111,469, SAMUEL C. MYERS. JAMES McCAULEY. COMBINED BAND-CUTTERS AND FEEDERS FOR THRASHING-MACHINES



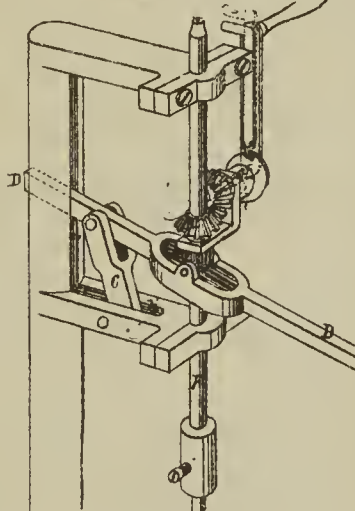
111,470, CHARLES H. PALMER. MACHINES FOR MOLDING KNOBS.



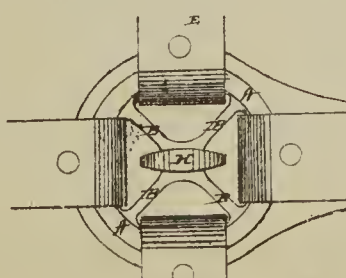
111,471, ROBERT W. PARK. VAPOR-BURNERS.



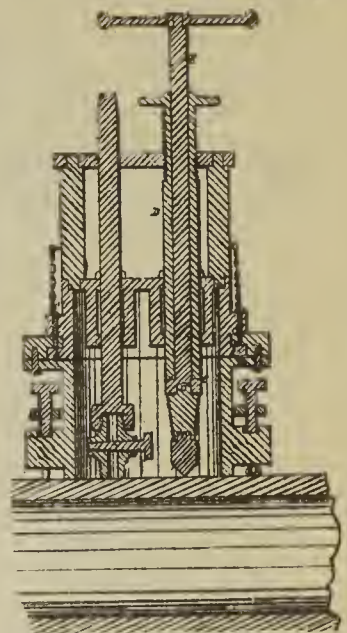
111,472, JACOB PETERS BORING AND MORTISING-MACHINES.



111,473, ROBERT PORTER. TRACE-CARRIERS.



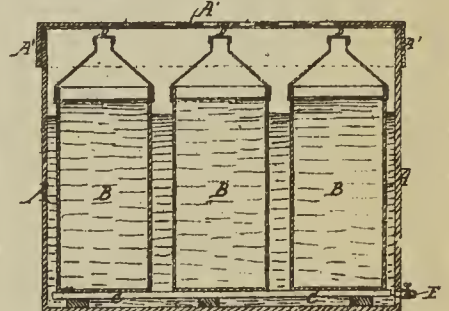
111,474, JAMES RILEY. PATRICK RILEY. MACHINES FOR DRILLING AND TAPPING WATER AND GAS-MAINS.



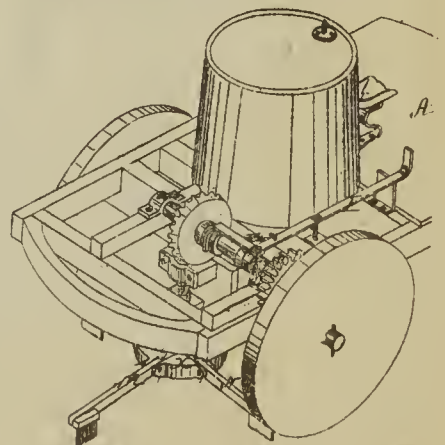
111,475, JACOB C. ROBIE. FLUTING-TONGS.



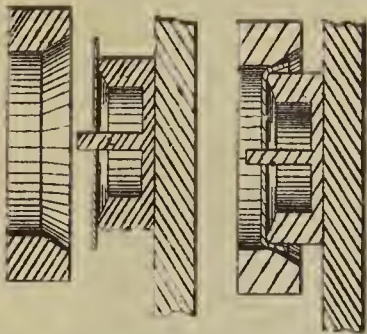
111,476, EVEN RÖNNING. APPARATUS FOR PRESERVING MILK.



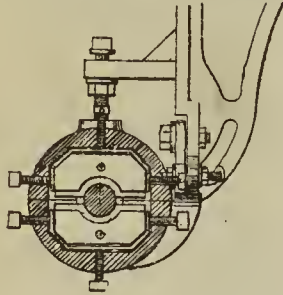
111,477, E. A. G. ROULSTONE STREET-SWEEPING MACHINES.



111,478. W. B. SOAIFE.
METHODS OF FLANGING BOILER-HEADS.

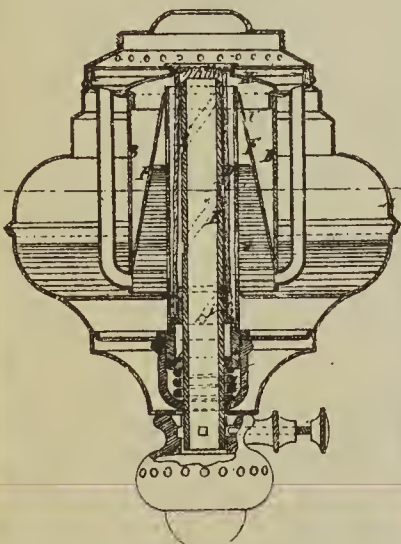


111,479. JOHN SCHIEDER.
JOURNAL-BOXES.

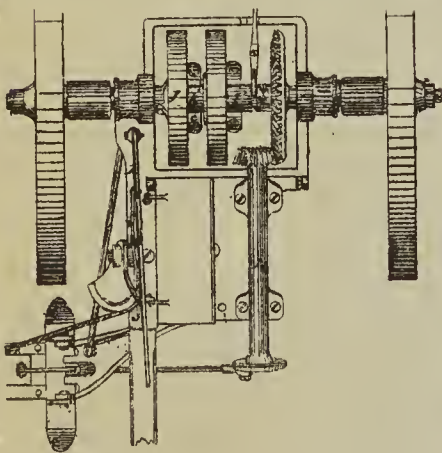


111,480. JOHN J. SCHILLINGER.
CONCRETE BLOCKS FOR PAVING.

111,481. H. A. SCHOTTKY.
THEODORE SIMENDINGER.
LAMPS.

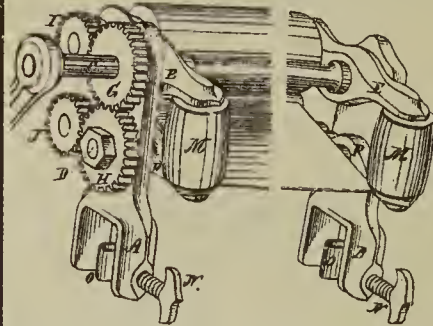


111,482. JACOBS W. SCHUCKERS
HARVESTERS.

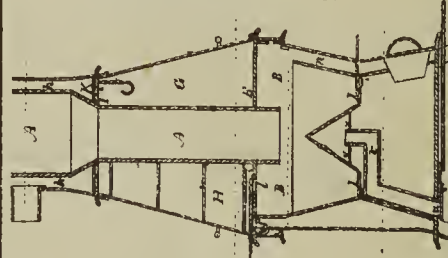


111,483. WILLIAM H. SEYMOUR.
HARVESTER-REELS AND RAKES.

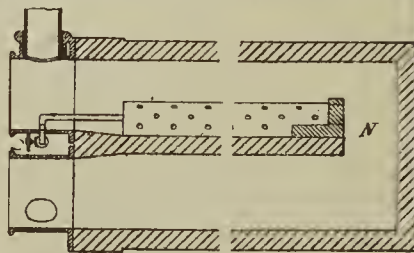
111,484. ALBERT H. SPENCER.
WRINGING-MACHINES.



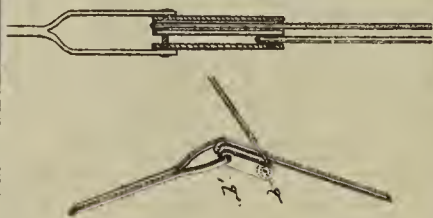
111,485. STEPHEN SPOOR.
BASE-BURNING STOVES.



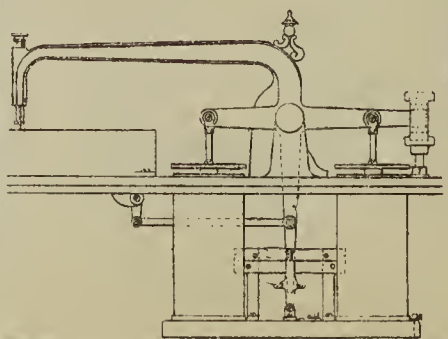
111,486. IRA N. STANLEY.
MANUFACTURE OF ILLUMINATING-GAS.



111,487. N. STARR. UMBRELLAS.



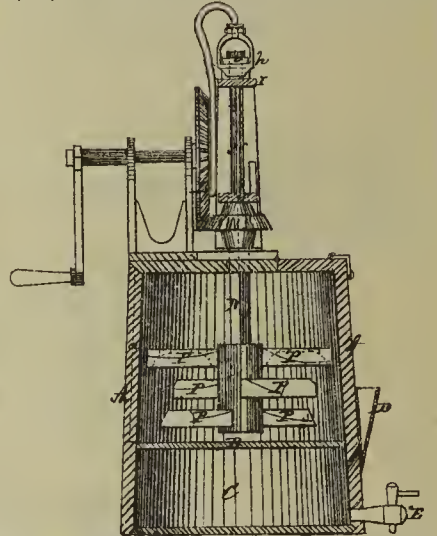
111,488. GEORGE STEVENS.
JOSHUA HENDY.
ELECTRO-MAGNETIC SEWING-MACHINES.



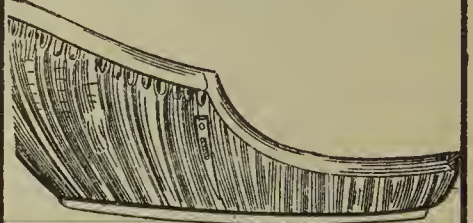
111,489. GEORGE D. STEVENS.
GUARD-CHAINS FOR BRACELETS.



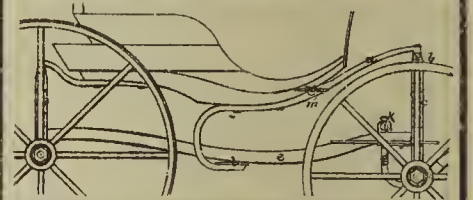
111,490. WILLIAM W. STILWELL. CHURNS.



111,491. CHAUNCEY THOMAS.
CARRIAGE-BODIES.



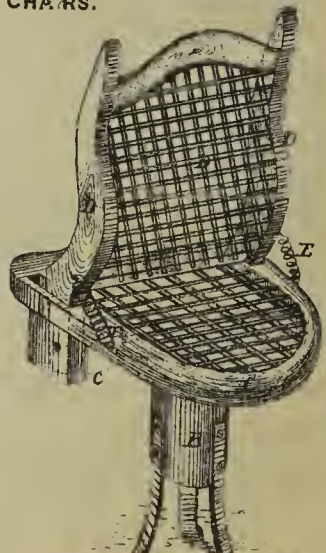
111,492. CHAUNCEY THOMAS. VEHICLES.

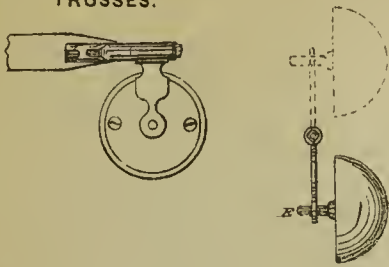
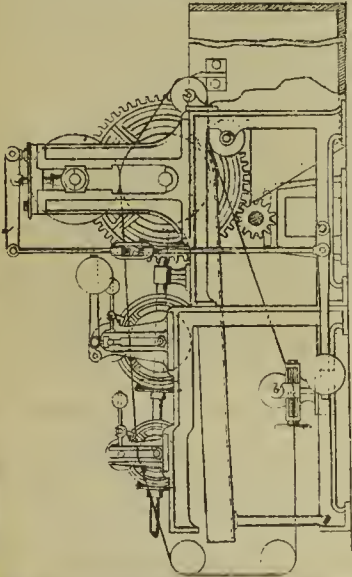
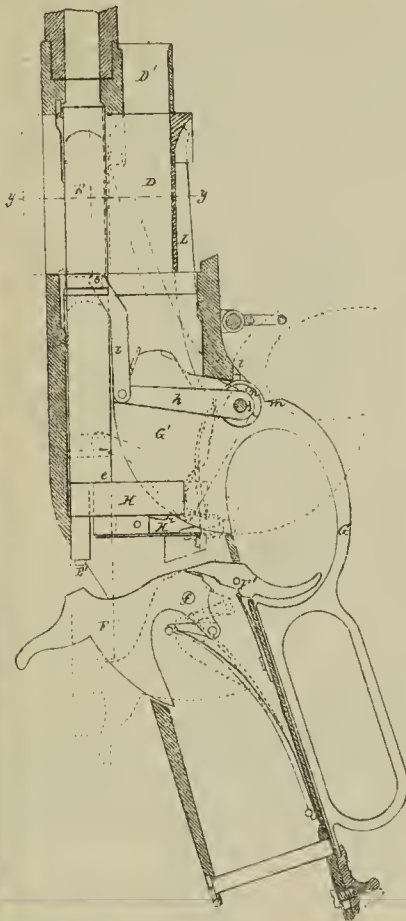
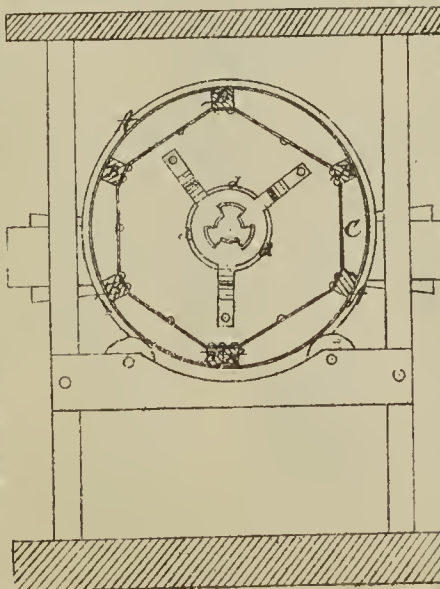
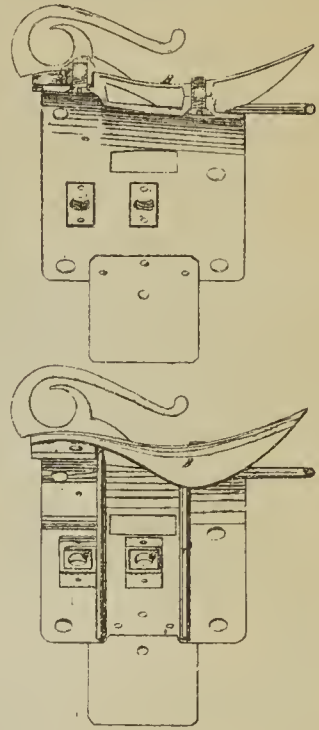
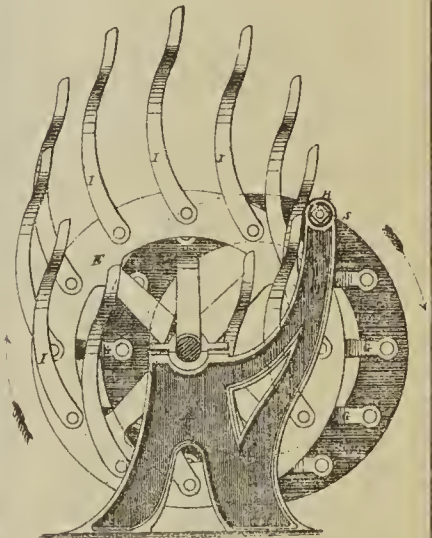
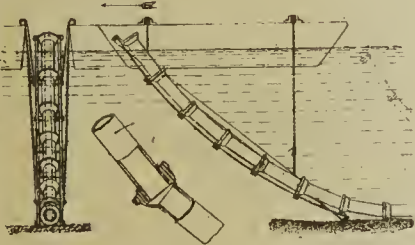
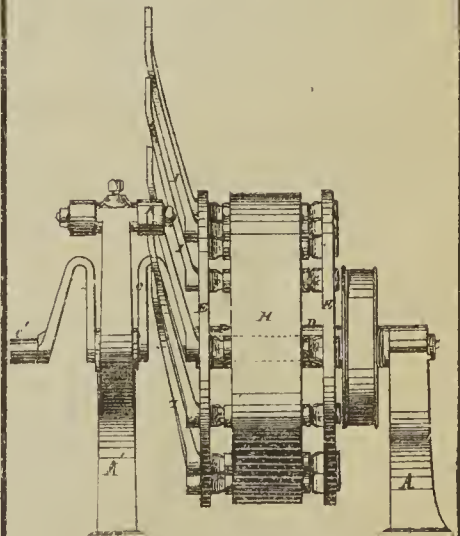


111,493. WILLIAM S. THOMAS
STOVE-GRATES.

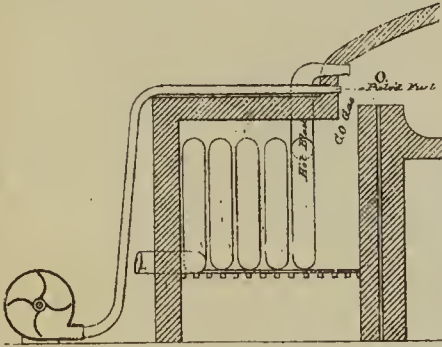


111,494. CYRUS TUCKER.
CHAIRS.



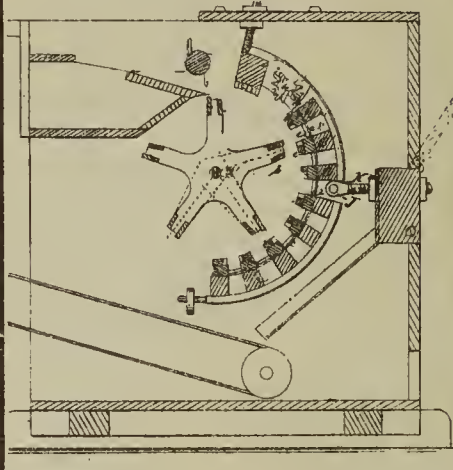
111,495, CORNELIUS C. E. VAN ALSTINE.
TRUSSES.111,496, M. WAISSNIX.
ALOIS WAISSNIX.
CARL A. SPECKER.
MACHINES FOR PREPARING WOOD PULP111,500, LUKE WHELOCK
REPEATING FIRE-ARMS.111,501, BENJAMIN CLAYTON WHITE
BOLT-REELS.111,502, PH. IL. WIEDERSUM.
HARNESS SADDLE-TREES.111,503, JACOB WOOLF.
MECHANICAL MOVEMENTS.111,498, JOHN F. WARD.
MODES OF LAYING PIPES ACROSS
RIVERS.111,499, JOHN WELSH.
DOOR-LOCKS.

111,504. JAMES D. WHELPLEY.
JACOB J. STORER.
MANUFACTURE OF STEEL, STEELY IRON,
AND HOMOGENEOUS OR CRYSTALLINE
IRON.

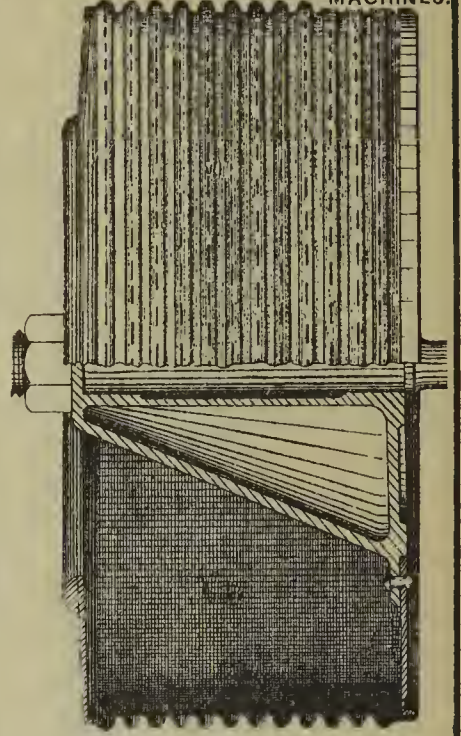


4,244. JAMES B. FORSYTH.
MANUFACTURE OF INDIA-RUBBER
ROLLERS.

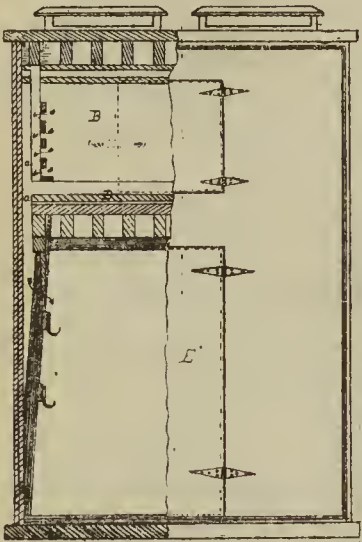
4,245. HUGH HANNA.
THRASHING-MACHINES.



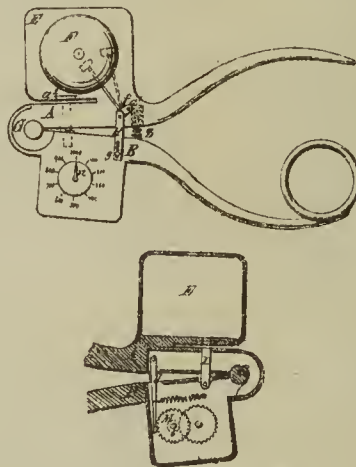
4,248. HUGH W. LAFFERTY.
ROBERT LAFFERTY
CENTRIFUGAL SUGAR-DRAINING
MACHINES.



4,242. JOSEPH HYDE FISHER.
REFRIGERATORS.

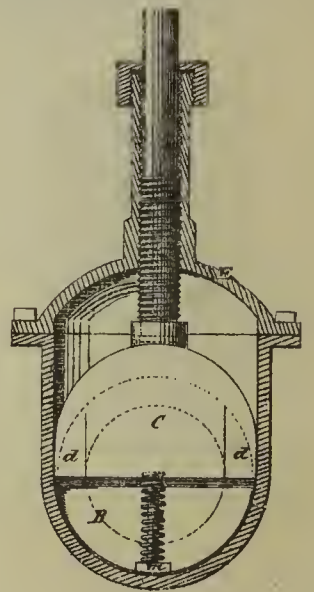


4,246. AUSTIN D. HOFFMAN.
REGISTERING TICKET-PUNCHES.

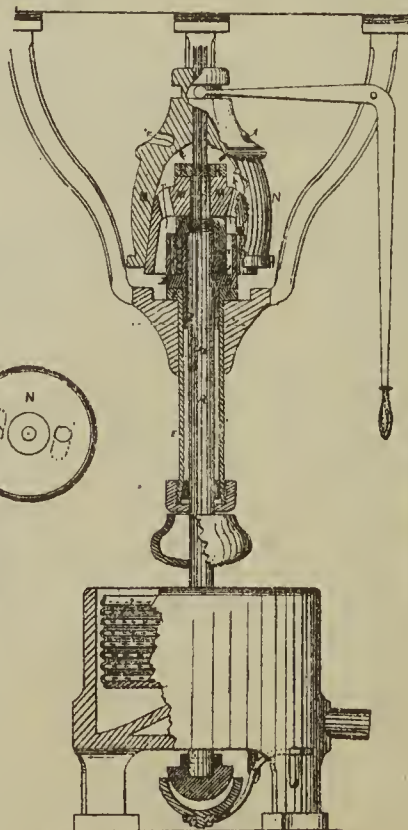


4,249. MARTIN LANDENBERGER.
DESIGN FOR A SHAWL.

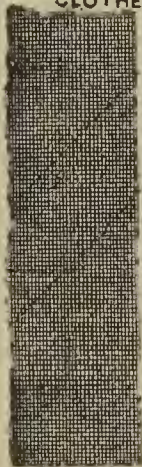
4,250. HENRY G. LUDLOW, 2D.
SLIDING STOP-VALVES.



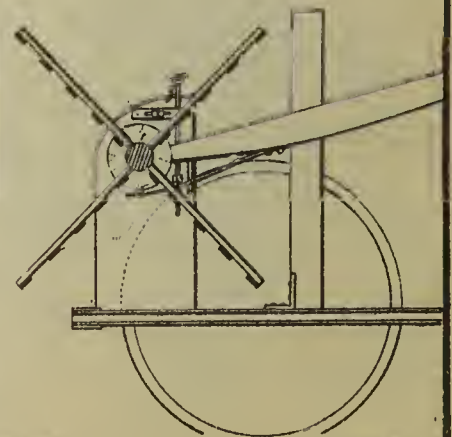
4,247. H. W. LAFFERTY.
ROBERT LAFFERTY.
CENTRIFUGAL SUGAR-DRAINING
MACHINES.



4,243. JAMES B. FORSYTH.
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CLOTHES-WRINGERS.

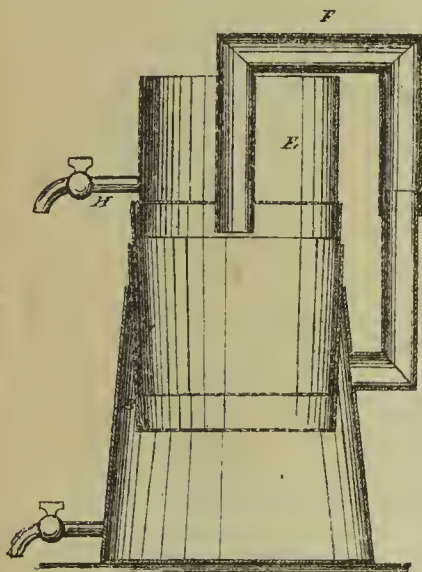
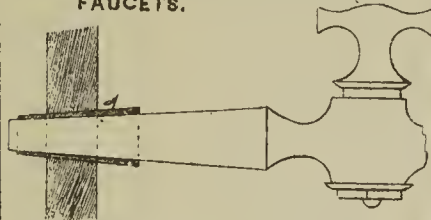
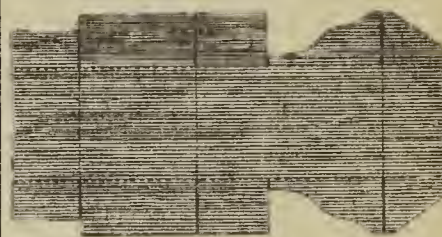
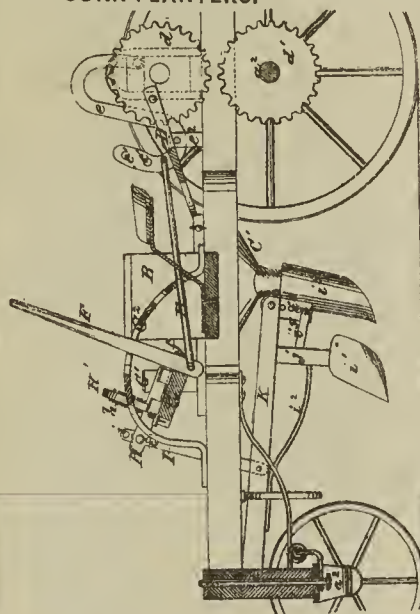
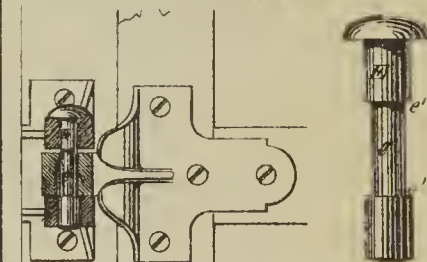
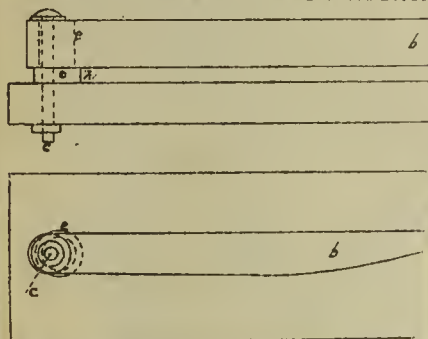
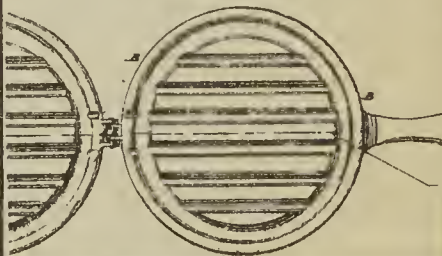
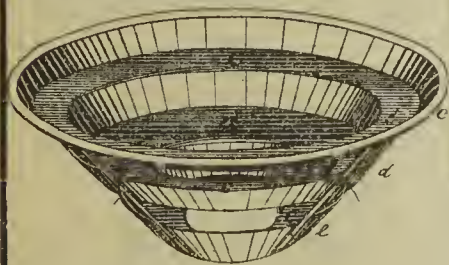
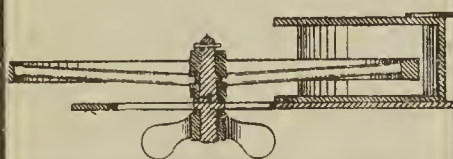
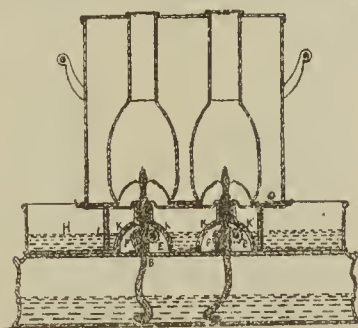
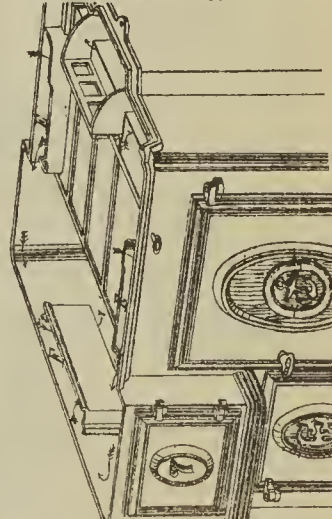
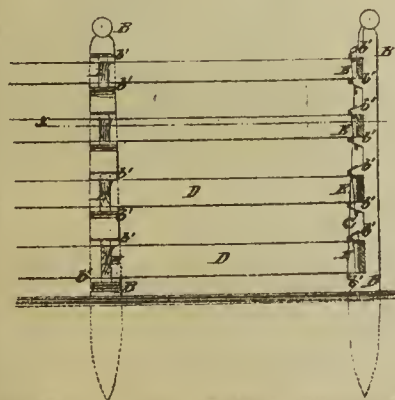
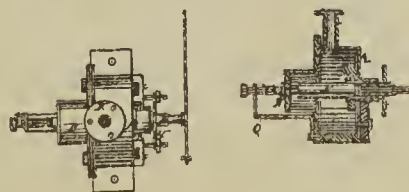
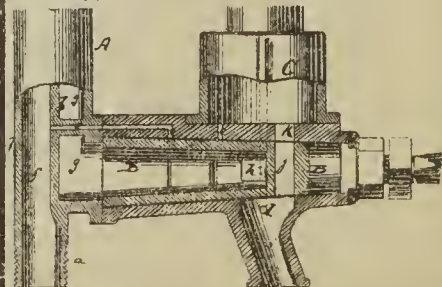


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HARVESTERS.

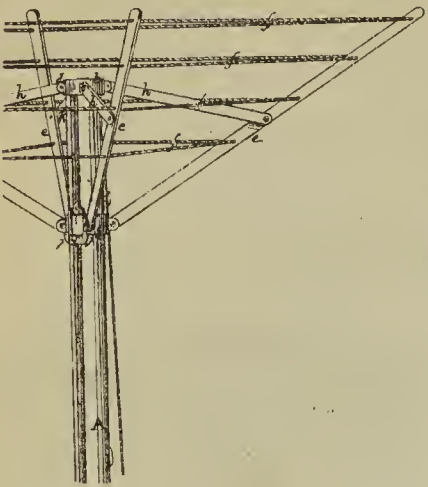
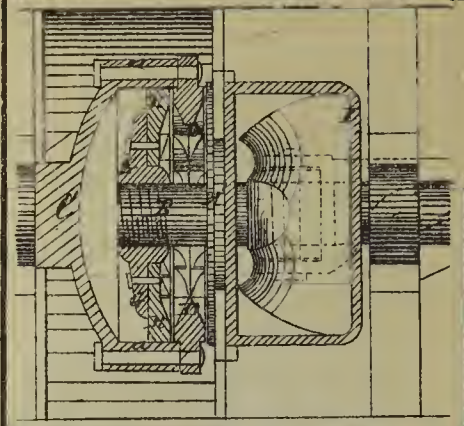
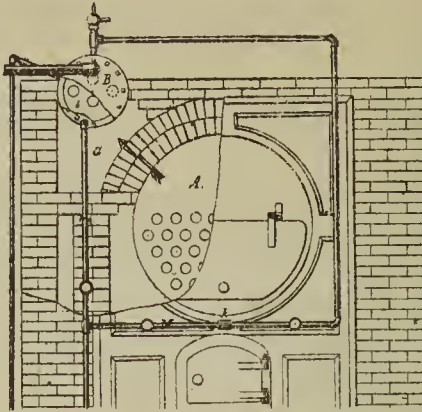


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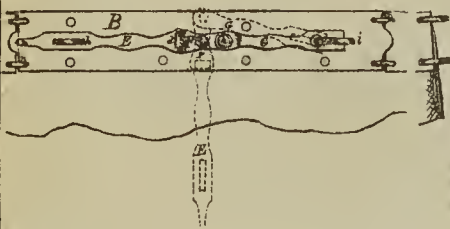
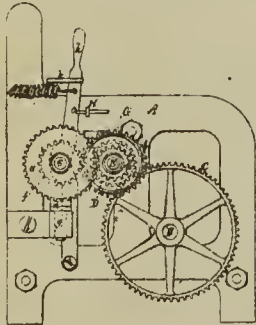
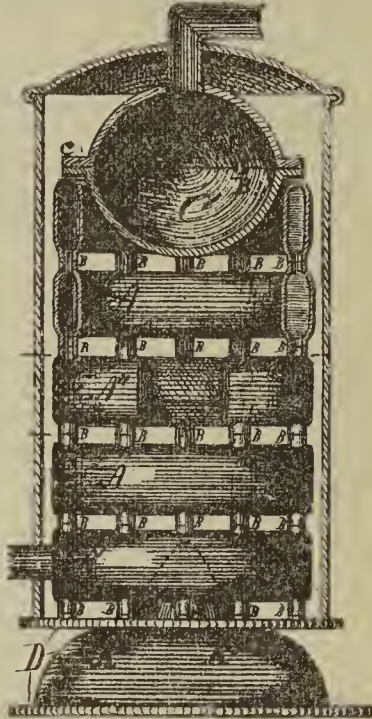
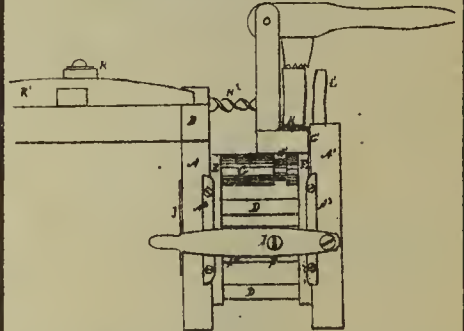
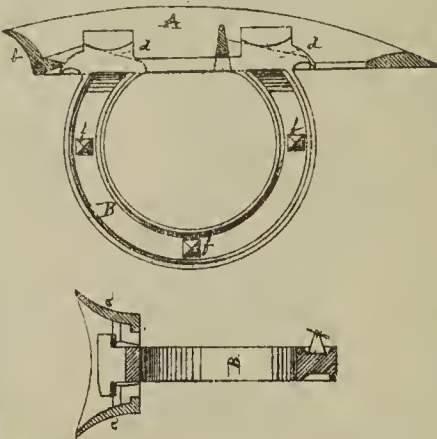
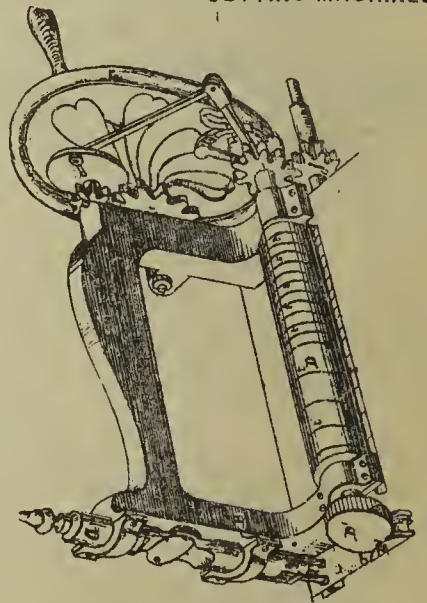
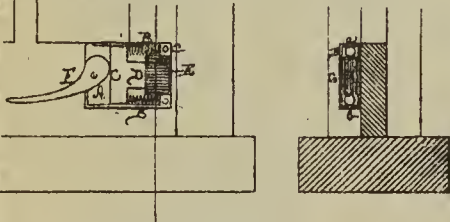
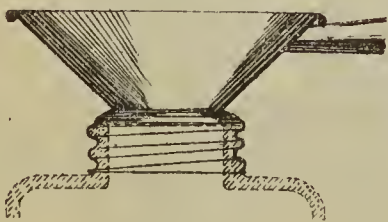
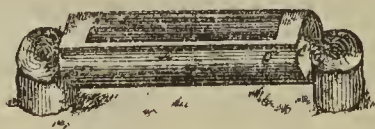
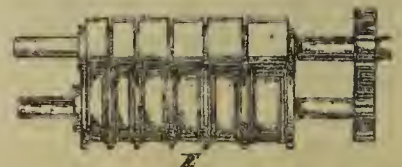
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111,509, THOS. W. BARTHOLOMEW.
FAUCETS.111,514, LEE CHURCHILL.
PAPER-COLLAR BOXES.111,510, LEANDER BECKER.
CORN-PLANTERS.111,515, CHARLES B. CLARK.
HINGES FOR GATES.111,506, NICHOLAS J. ALLEN.
JAMES C. MOODY.
ADJUSTABLE SHUTTLE-BINDERS.111,516, LEVI H. COLBORNE. BROILERS.
DAVID H. LOWE.111,507, THOMAS A. ANDREWS, JR.
SPARK-ARRESTERS.111,511, PRISCUS E. ROMBY.
APPARATUS FOR OILING FELLIES.
SPOKES, &c.111,512, JOHN BOWLES.
LAMPS FOR COAL-OIL STOVES.111,517, JOHN B. CROWLEY.
ADDIS F. CHAMBERLAIN.
COOKING-STOVES.111,508, HUGH M. BARBER.
FENCES.111,513, JOHN O. BROMLEY.
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SELF-CLOSING COCKS.

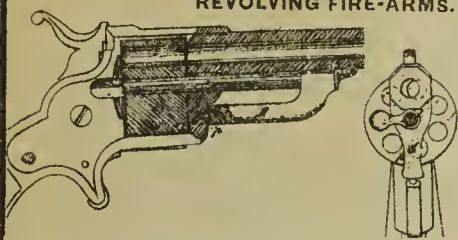
111,519 ALFRED DAY, CLOTHES-DRIERS.

111,526, DAVID C. G. FIELD.
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111,531, FRANKLIN T. GRIMES. LAMPS

111,520, E. J. DE SMEDT.
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MAIL-BAG FASTENINGS.111,522, W. B. DOUGLASS
CARRIAGE-CURTAIN KNOBS.111,523, GEORGE DRAPER.
MACHINES FOR WARPING YARN.111,527, LOYAL C. FIELD.
STEAM-GENERATORS.111,532, JESSE R. GROUP.
MACHINES FOR BORING POSTS.111,528, SEBASTIAN GOETZ
BEDSTEAD-FASTENINGS.111,533, EMERY E. HARDY.
NAPOLEON DUBRUL.
LEATHER-PUNCHING AND
CUTTING-MACHINES.111,524, H. W. DROTT.
SASH-HOLDERS.111,525, LESTER P. EDWARDS.
FUNNELS.111,529, FRANCIS J. GOLDSMITH.
INVERTIBLE TROUGHS.111,530 MYRON GREY.
FEED-GRINDERS.

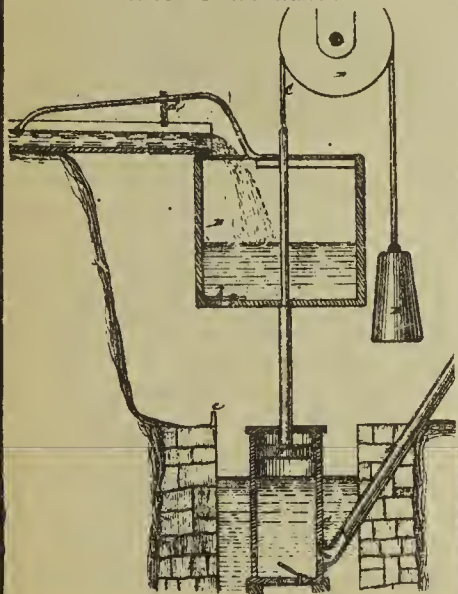
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CARTRIDGE-SHELL EJECTORS FOR
REVOLVING FIRE-ARMS.



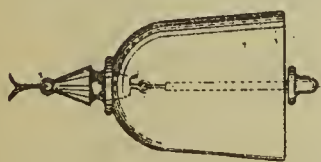
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JARED W. POST.
WATER-PROOF PIANO-COVERS.



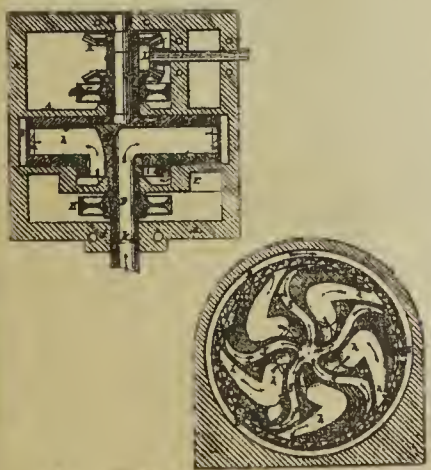
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HYDRAULIC APPARATUS.



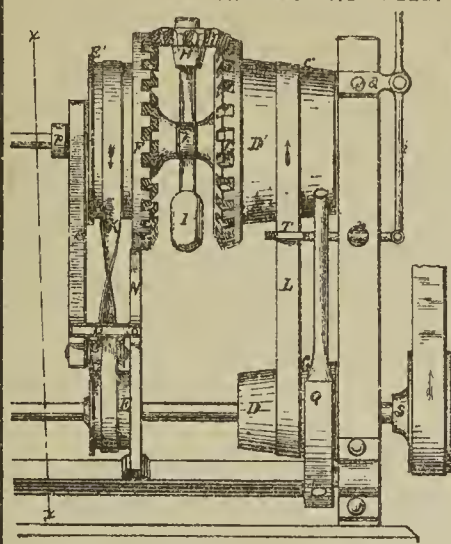
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ÆOLIAN CHIMING-BELLS.



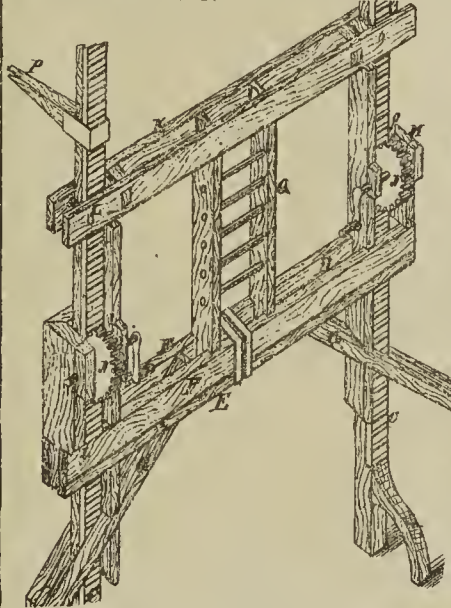
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DOUBLE-ACTING ROTARY ENGINES.



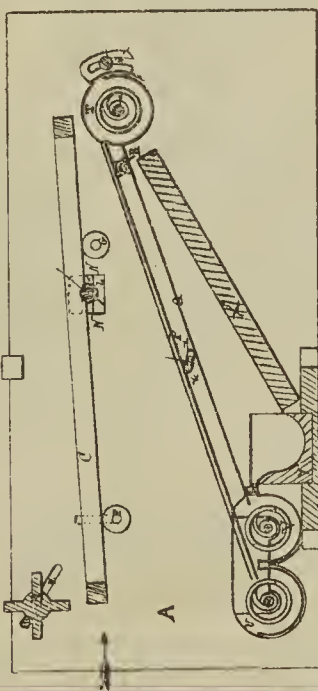
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APPARATUS FOR TRANSMITTING
POWER AND CHANGING THE SPEED.



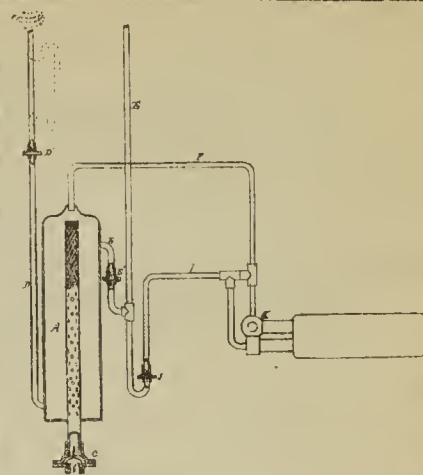
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THOMAS W. LETTS.
SCAFFOLDS.



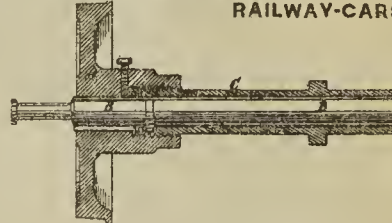
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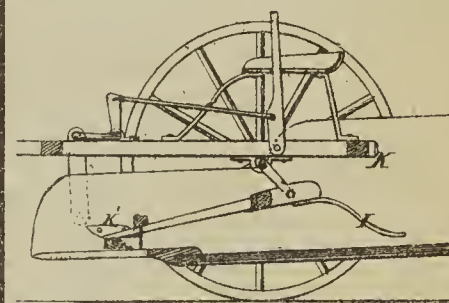
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AUTOMATIC STEAM WATER-ELEVATOR.



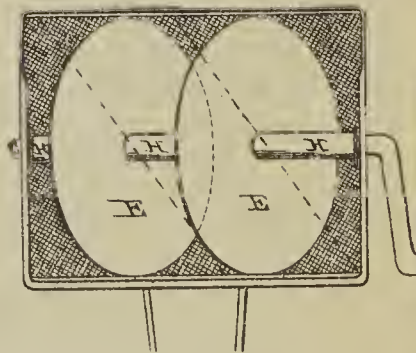
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WHEELS AND AXLES FOR
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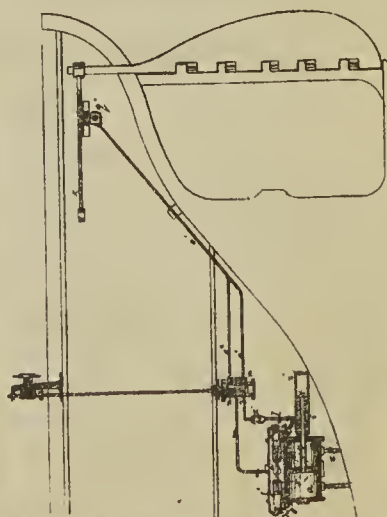
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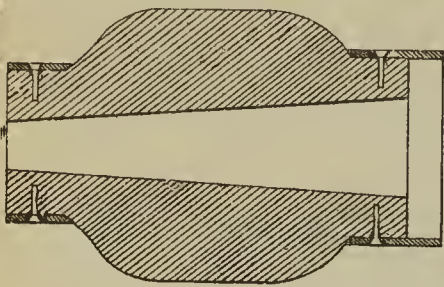
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FLOUR-SIFTERS.



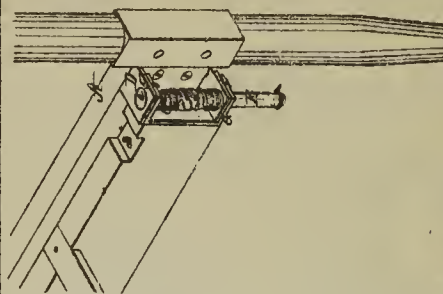
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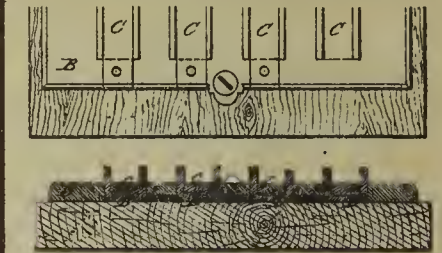
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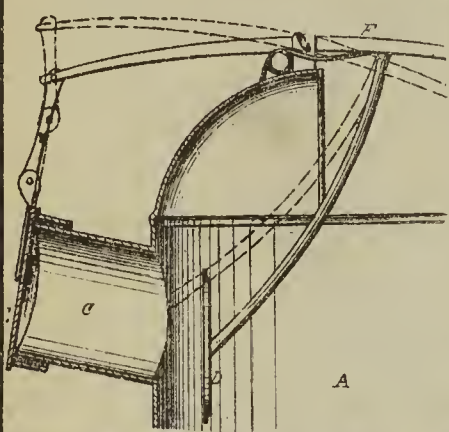
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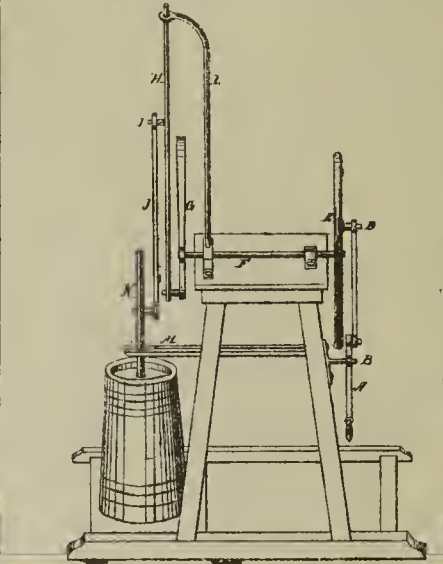
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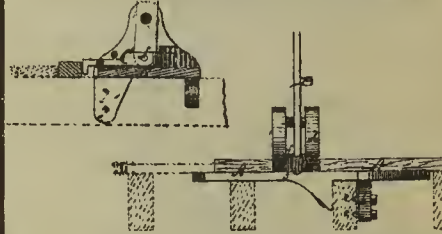
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BATTER-POTS.



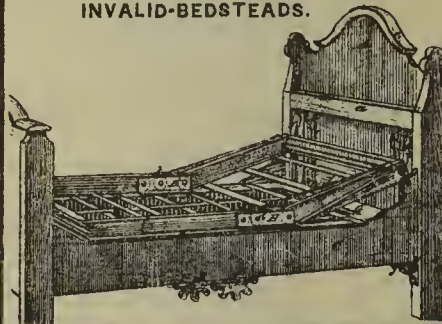
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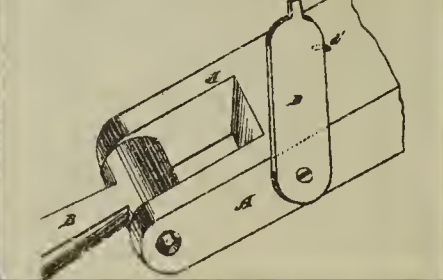
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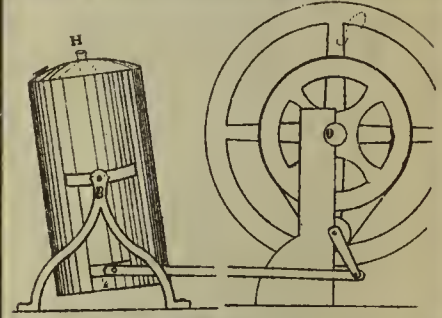
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FLOOR-CLOTHS, &c.



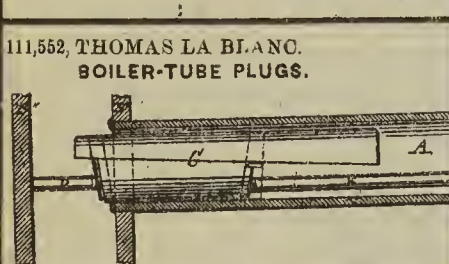
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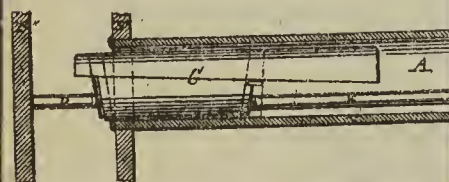
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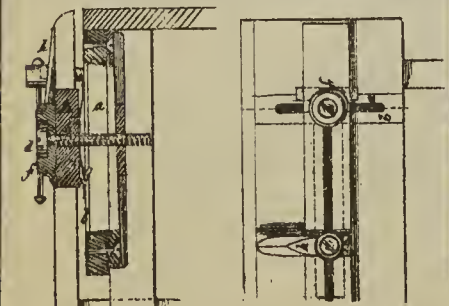
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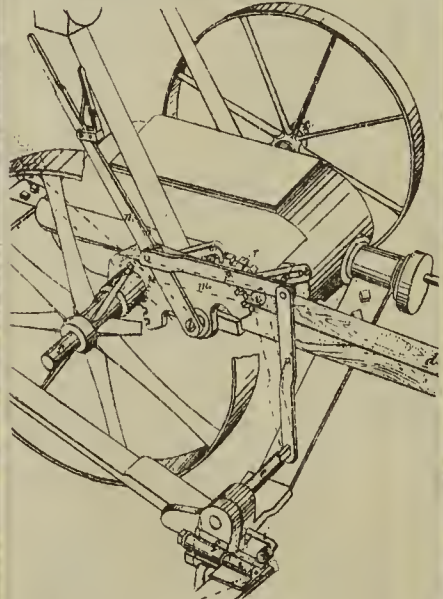
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111,553, ROBERT C. LOVE.
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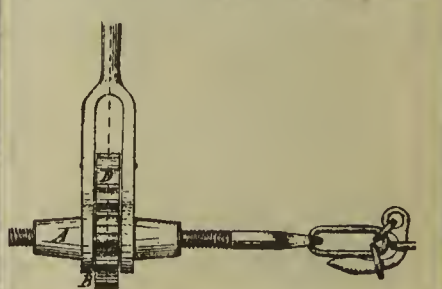
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111,563, ASAHEL H. PATCH.
CLOTHES-DRIERS.



111,564, WILLIAM W. PATTERSON
EDMOND BISHOP.
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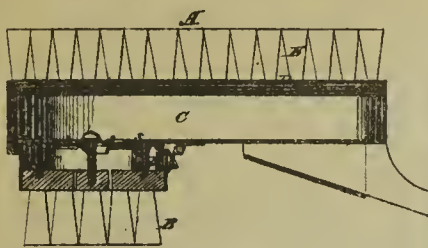


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TONGUES FOR CHILDREN'S CARRIAGES.

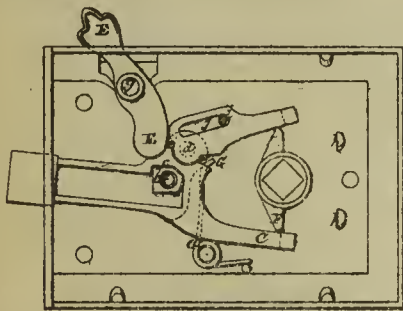


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ARTIFICIAL FUEL.

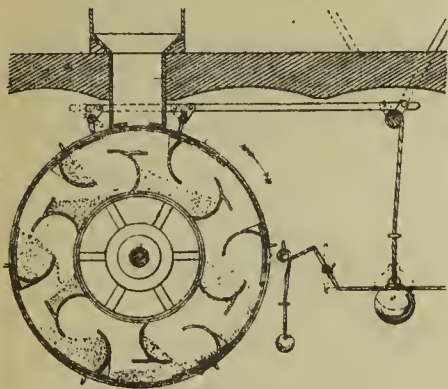
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FOUNTAIN BLACKING-BRUSHES.



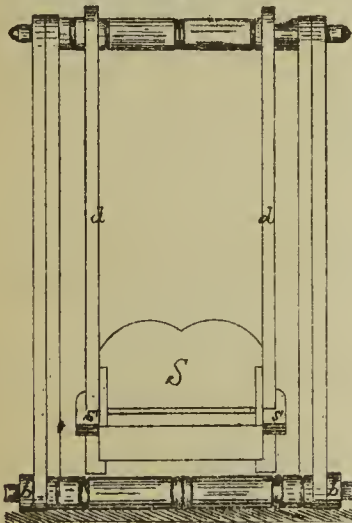
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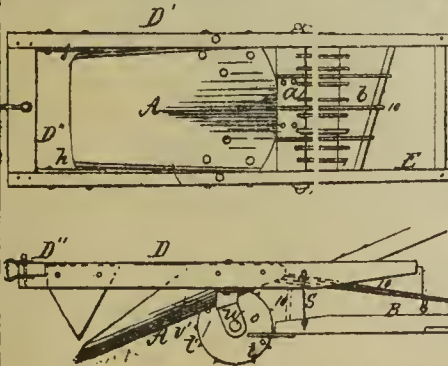
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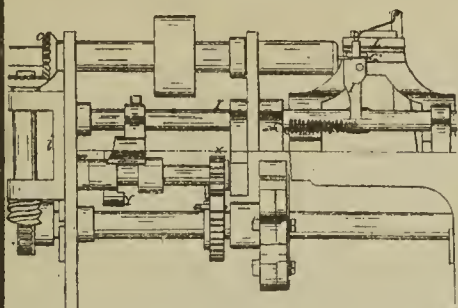
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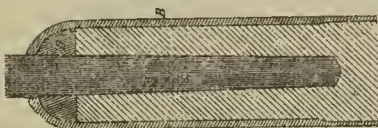
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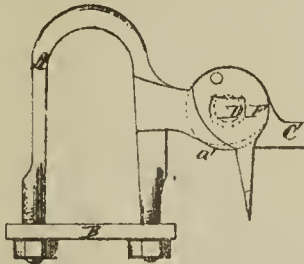
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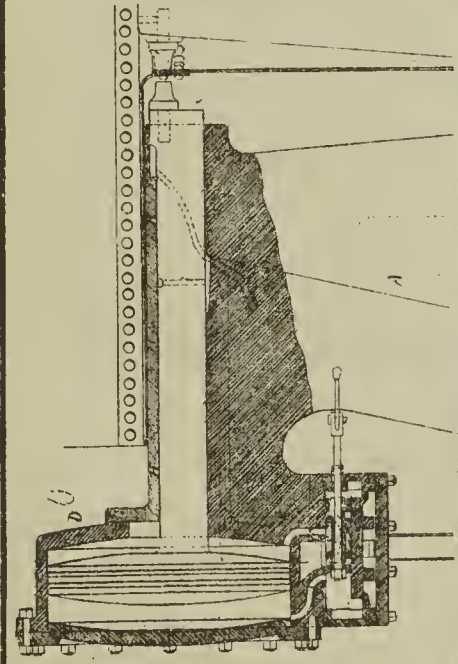
111,573, WILLIAM HENRY RODDEN.
FERRULES.



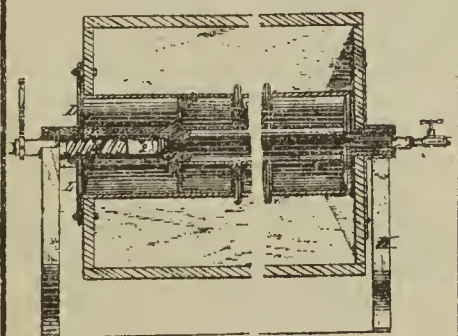
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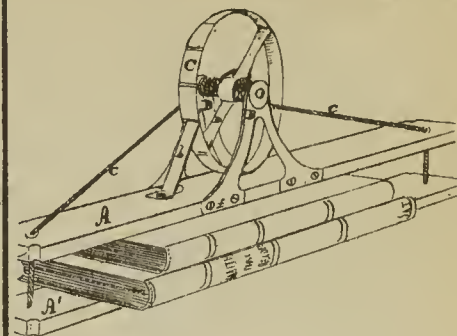
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RIVETING-MACHINES.



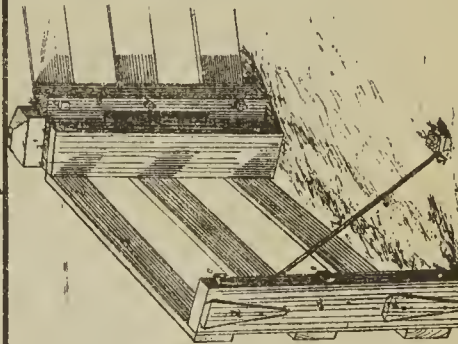
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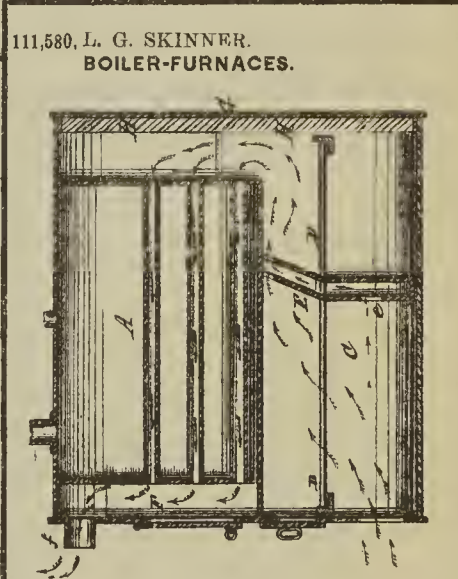
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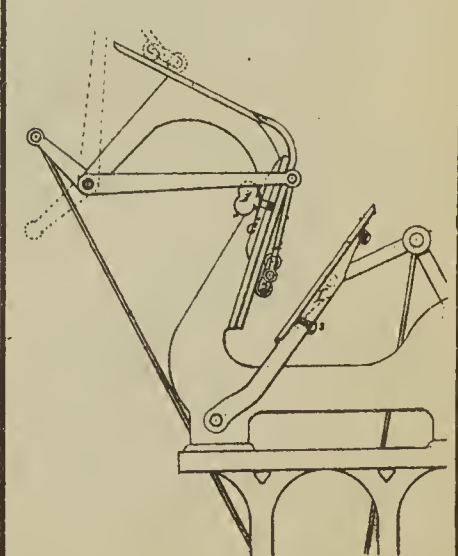
111,578, HECTOR SINCLAIR.
PORTABLE FENCES.



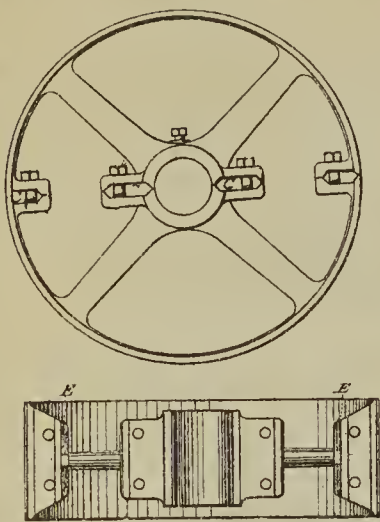
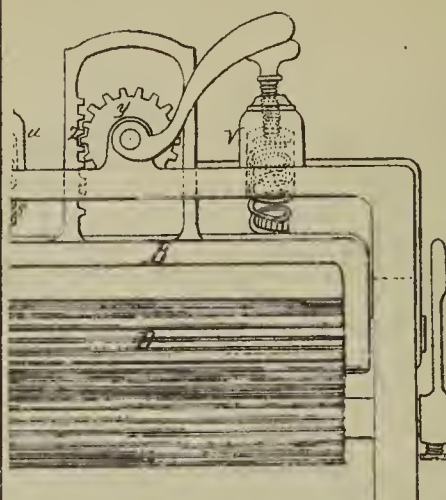
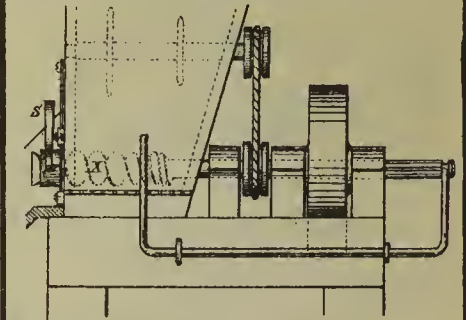
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PAPER FOR USE IN THE BOTTOMS
OF BIRD-CAGES.



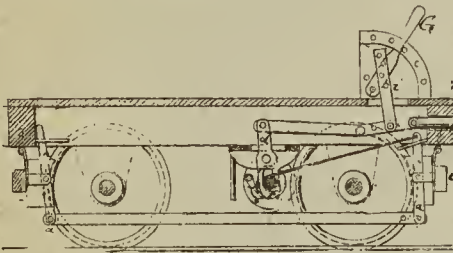
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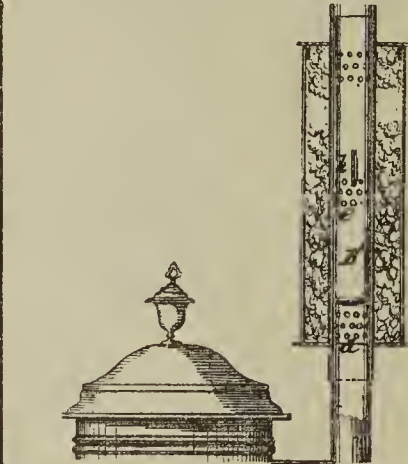
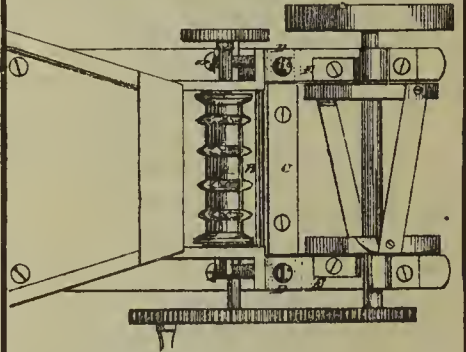
111,582, SCOTT A. SMITH. PULLEYS.

111,588, THEODORE M. TUCKER
FLUTING-MACHINES.111,593, JAMES D. WHELPLEY,
JACOB J. STORER.
APPARATUS FOR DELIVERING GRAIN,
ORES, &c., INTO GRINDING-MILLS.

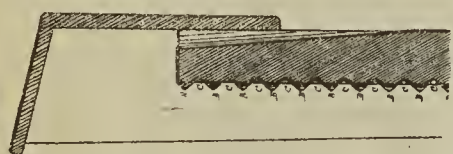
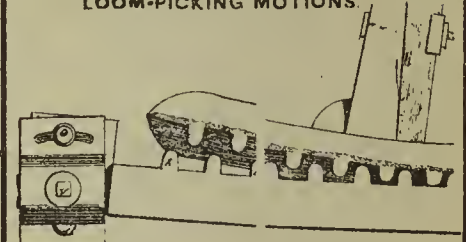
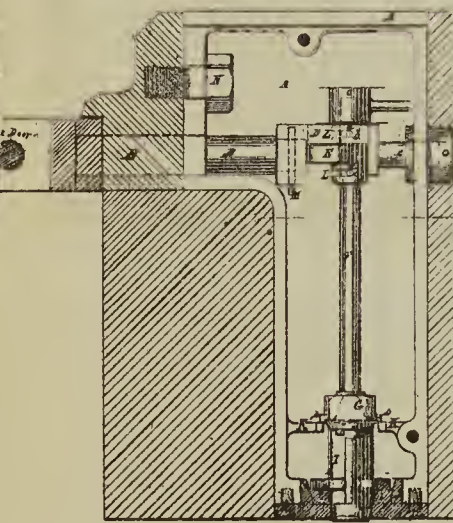
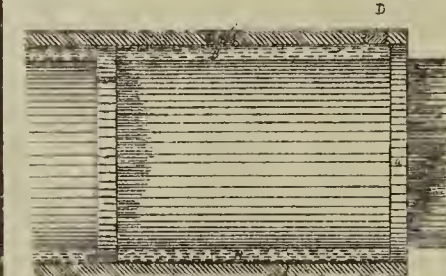
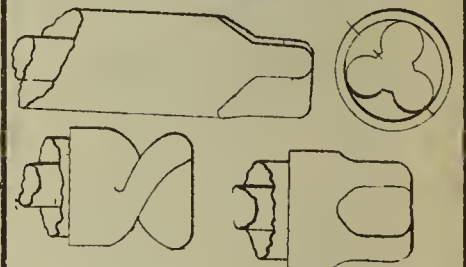
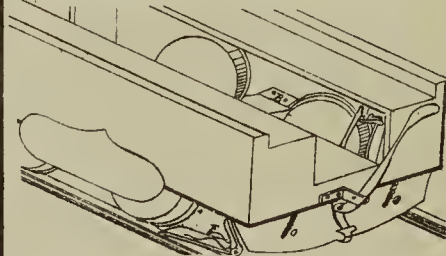
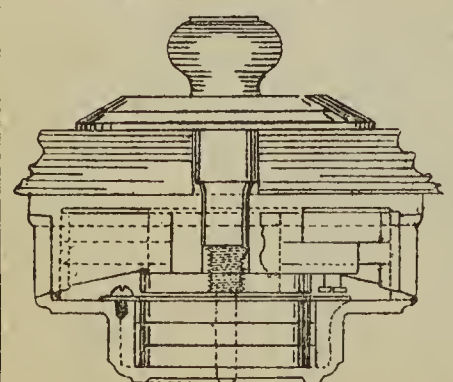
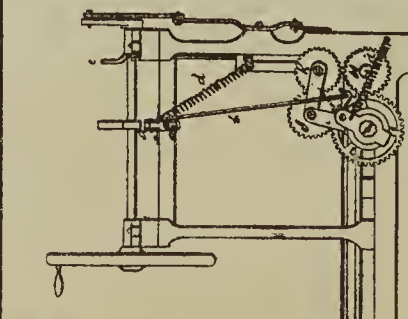
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111,584, CHARLES W. TIERNEY.
BRAKES FOR RAILWAY-CARS

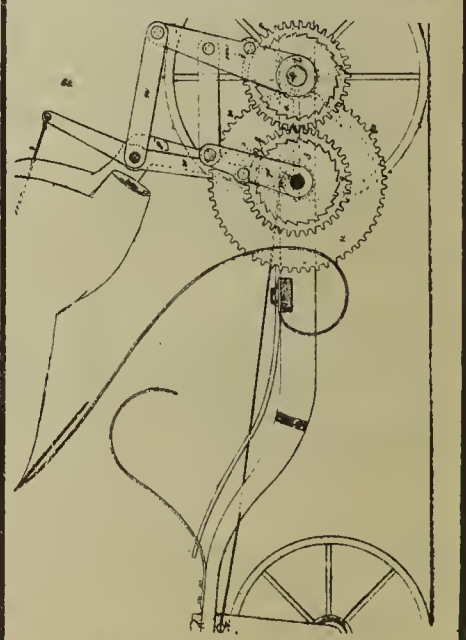
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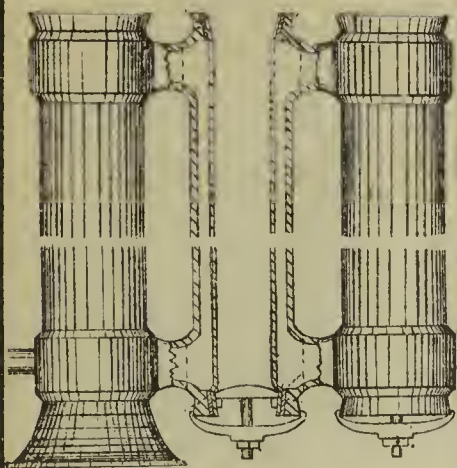
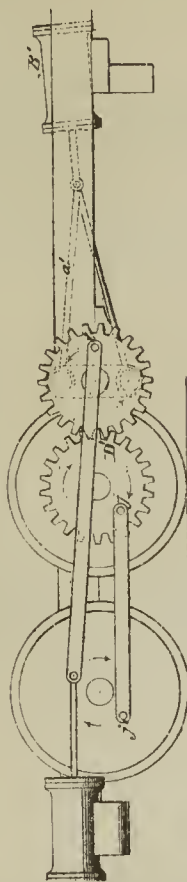
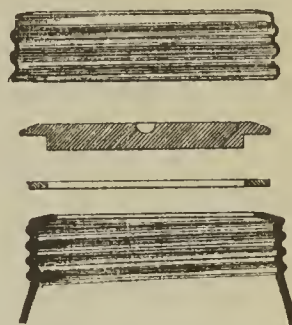
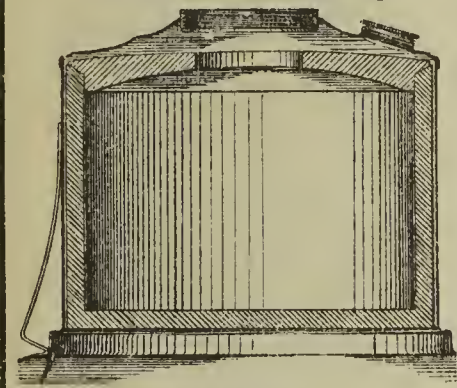
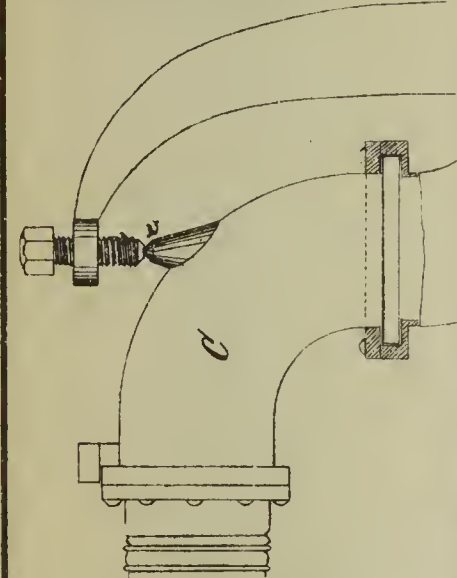
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FEED-CUTTERS.

111,585, WESTLY TODD. WASH-BOARDS.

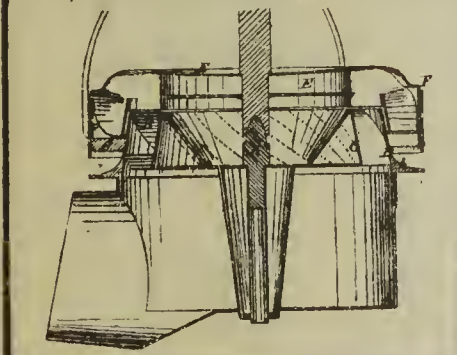
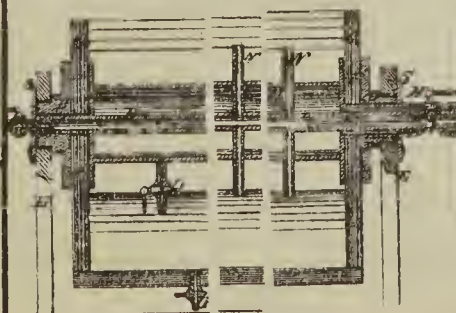
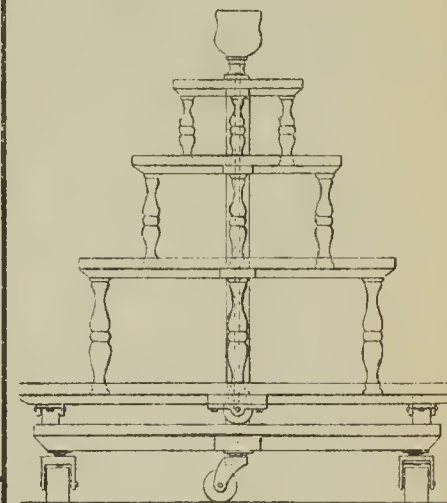
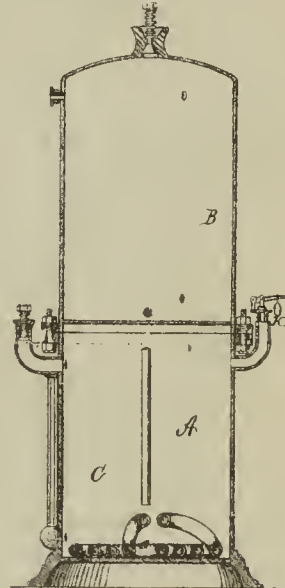
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ELIJAH D. GOVE.
LOOM-PICKING MOTIONS.111,586 HENRY R. TOWNE
PRISON-LOCKS.111,590, STEPHEN USTICK.
LUBRICATORS FOR LOOSE PULLEYS.111,596, S. LLOYD WIEGAND.
DROP-TUBE STEAM-GENERATORS.111,591, JOHN E. WEAVER.
RAILWAY-CAR BRAKES.111,587 HENRY R. TOWNE
PERMUTATION-LOCKS.111,592, CHRISTOPHER WENTZ,
ALBERT GREEN,
ORLANDO P. CONNER.
CANDY-CUTTING MACHINES.

111,597, W. L. WILLIAMS. VELOCIPEDES.

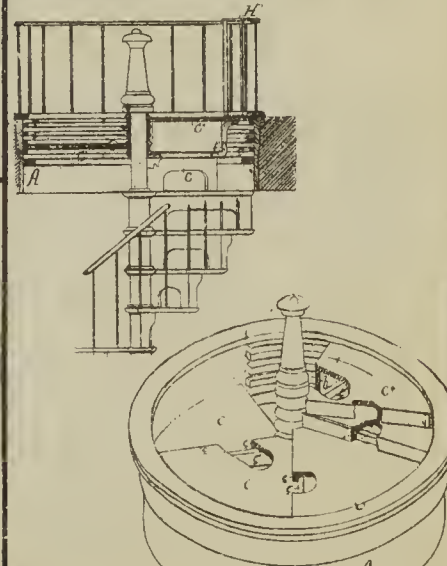


111,598, JOSEPH L. WINSLOW.
STEAM-HEATERS.111,603, WILLIAM D. ARNETT.
DRIVING-POWER FOR LOCOMOTIVES.111,607, MELVILLE R. BISSELL.
FRUIT-JARS.111,599, ARTHUR T. WOODWARD.
VESSELS FOR HOLDING OIL111,600, SAMUEL ADAMS.
HYDRAULIC TURNPIPES.

111,601, JOHN P. ALLEN. WATER-WHEELS.

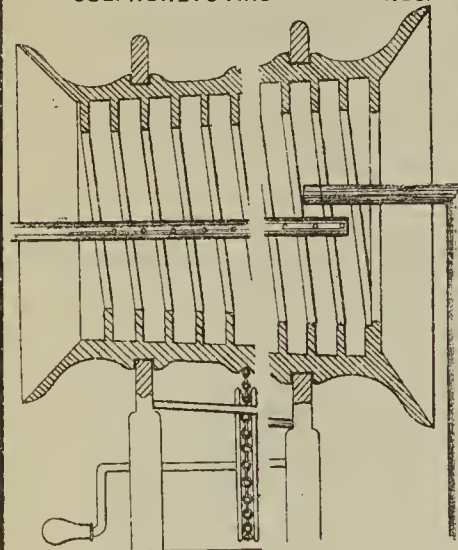
111,602, EDWARD E. ALVORD.
COATING BRICK, WOOD, AND OTHER
SURFACES ON WALLS, &c.111,606, JAMES A. BELL.
FEATHER RENOVATORS.111,608, ELIJAH D. CASTLOW.
FLOWER-STANDS.111,609, GEORGE CLARKSON.
ALCOHOL-STILLS.

111,610, CHAS. S. CLOSE. STAIRWAYS.

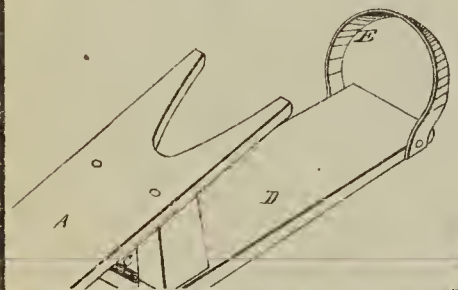


111,611, JUDD M. CORB.
MANUFACTURE OF STRAW-BOARD FOR
THE CONSTRUCTION OF BUILDINGS.

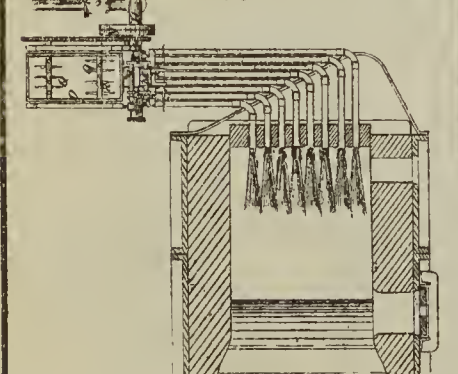
111,612, CHARLES C. COLEMAN
APPARATUS FOR CLEANING
SULPHURETS AND OTHER ORES.



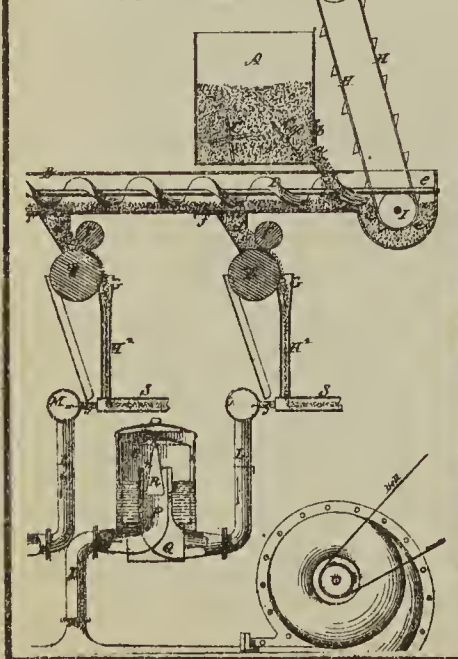
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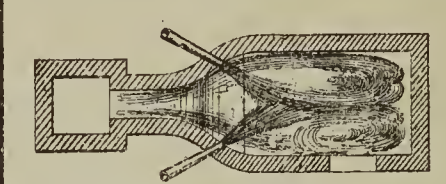
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APPARATUS FOR FEEDING PULVERIZED
FUEL TO FURNACES.



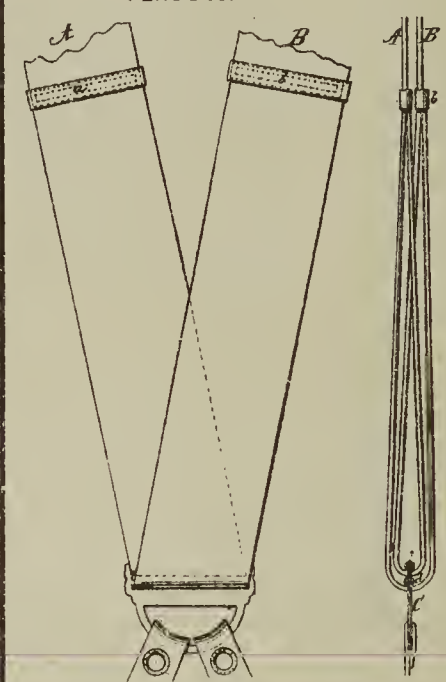
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APPARATUS FOR DISTRIBUTING AND
FEEDING POWDERED
FUEL TO FURNACES.



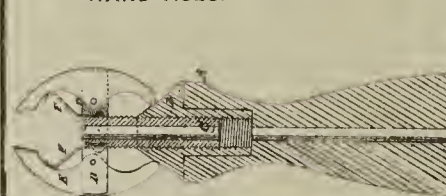
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FURNACES FOR BURNING PULVERIZED
FUEL.



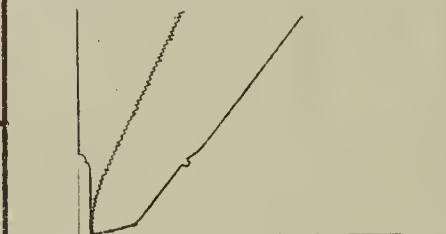
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SUSPENDERS.



111,618, JAMES W. DEVLIN
HAND-VISES.



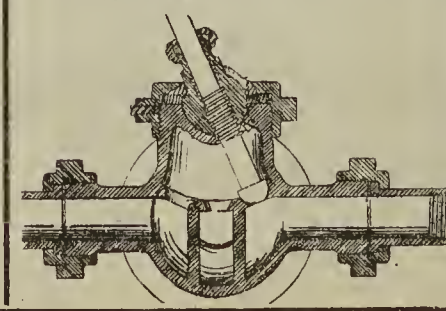
111,619, HENRY DISSTON. THOMAS OATES HILL.
SAWS.



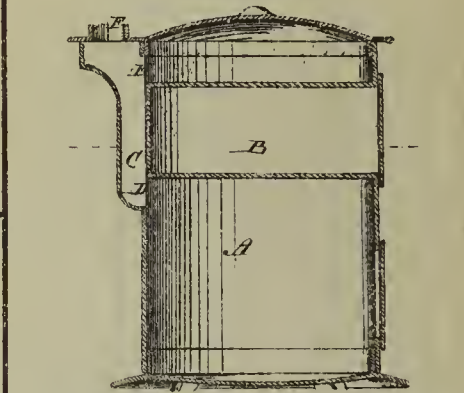
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DEVICES FOR ENLARGING WELLS.



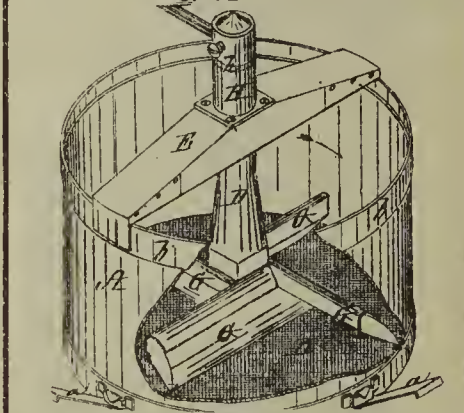
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VALVES AND COCKS.



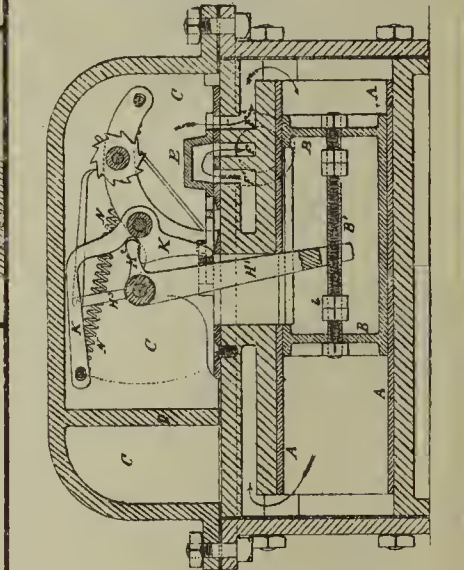
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CHAUNCEY H. CASTLE.
HEATING-STOVES.



111,623, LYMAN FAY.
SIFTERS AND STRAINERS.



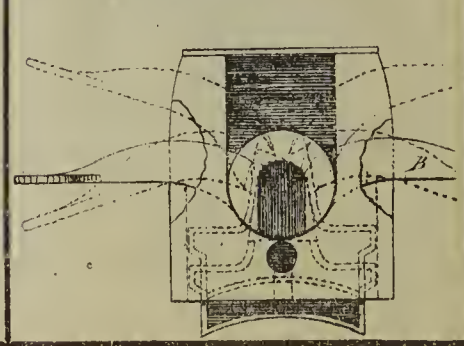
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WATER-METERS.



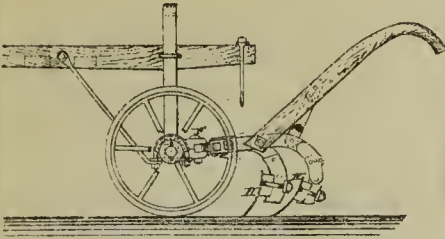
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BOOT AND SHOE-FASTENINGS.



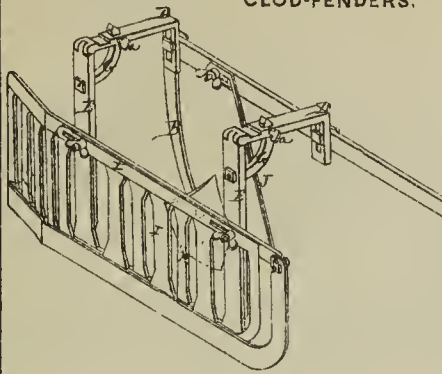
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GATE-LATCHES.



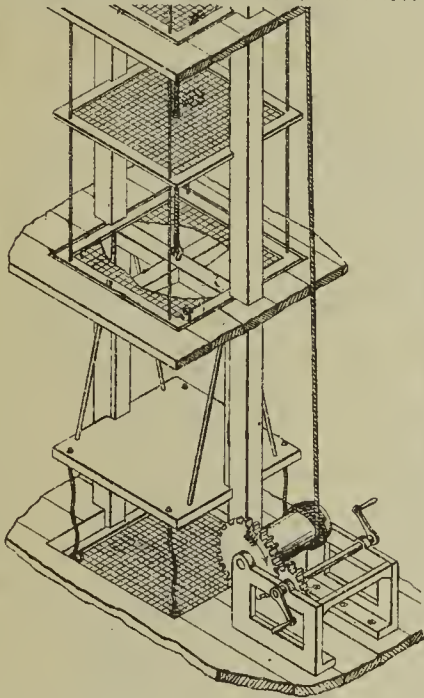
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WALKING-CULTIVATORS.



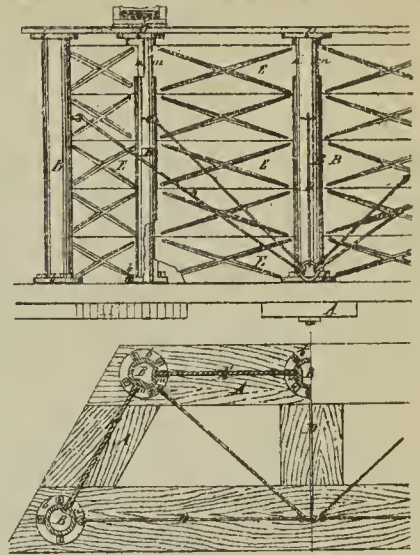
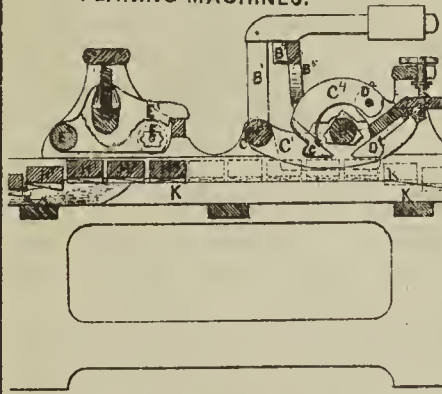
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CLOD-FENDERS.



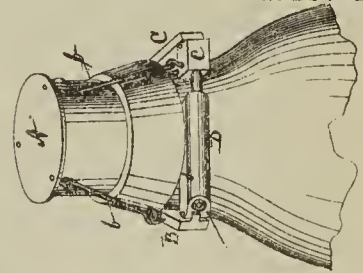
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SAFETY DEVICES FOR HATCHWAYS.



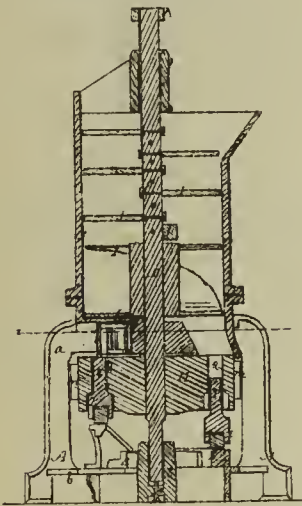
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HENRY J. COLBURN.
PLANING-MACHINES.



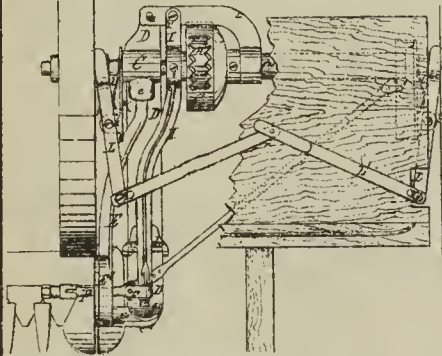
111,637, SAM'L. L. GOUVERNEUR.
DEVICES FOR SECURING CORKS
IN BOTTLES.



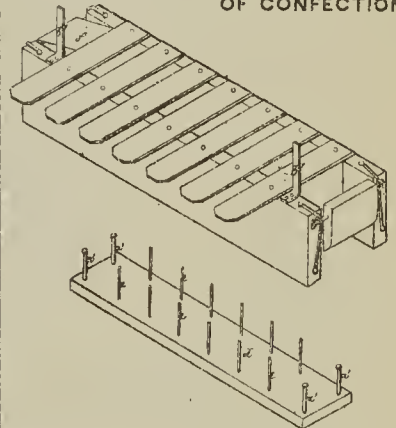
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EMERY R. GARD.
BRICK-MACHINES.



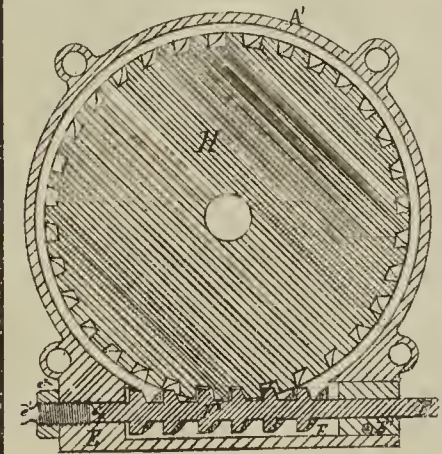
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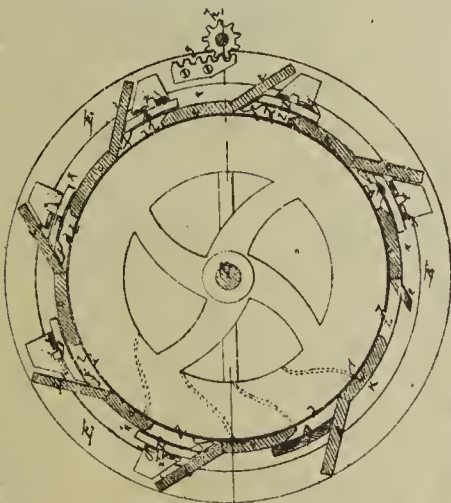
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APPARATUS FOR THE MANUFACTURE
OF CONFECTIONERY.



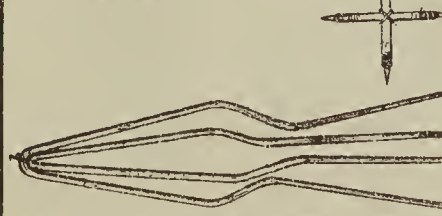
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111,630, JAMES GARDNER.
WATER-WHEELS.

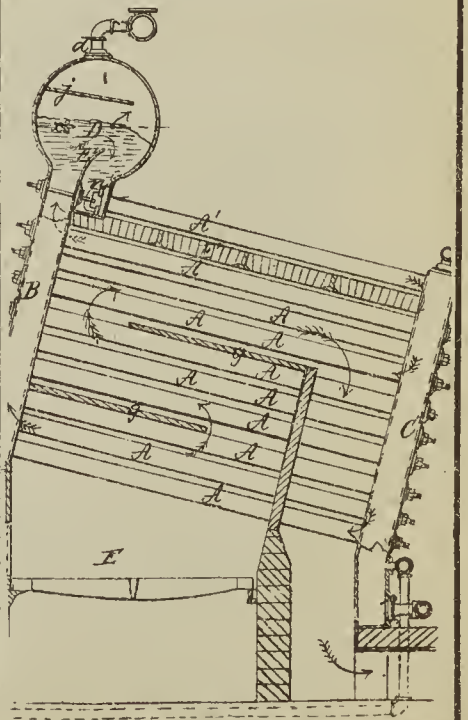


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HAIR-PINS.

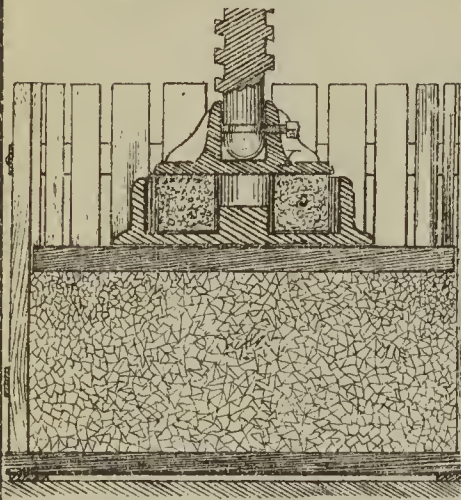


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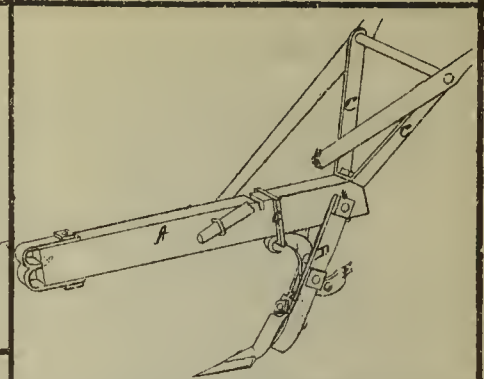
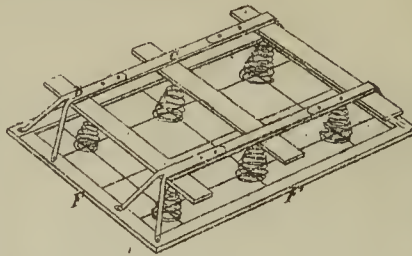
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CHAS. E. EMERY.
SECTIONAL STEAM-BOILERS.



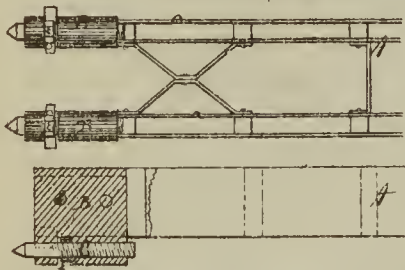
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WINE AND CIDER-PRESSES.



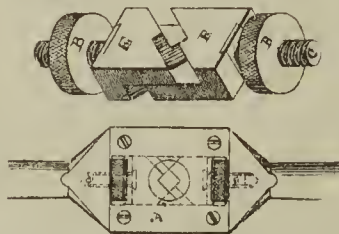
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SPRING BED-BOTTOMS.



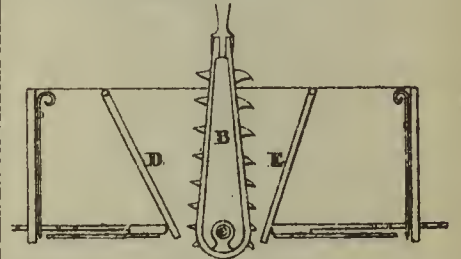
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JOHN FRITZ.
BRIDGES FOR SUPPORTING
SHAFT-DRILLING MACHINES.



111,647, GEORGE W. HUNTOON.
EDWIN SIMONDS.
TAP-WRENCHES.

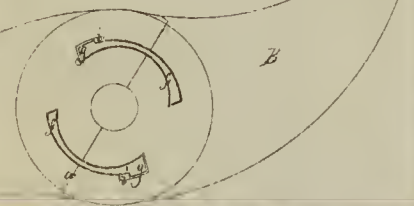


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ICE-CRUSHERS.

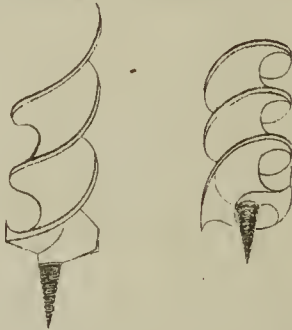


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EXPLOSIVE COMPOUNDS.

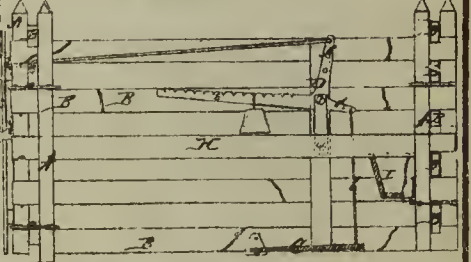
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CAMS FOR QUARTZ-MILLS.



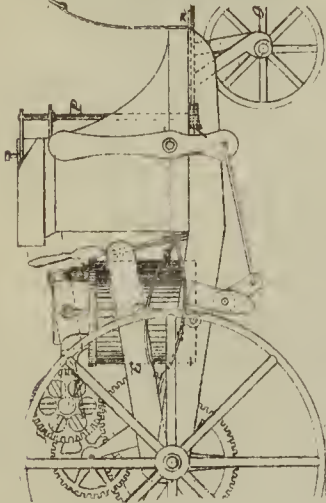
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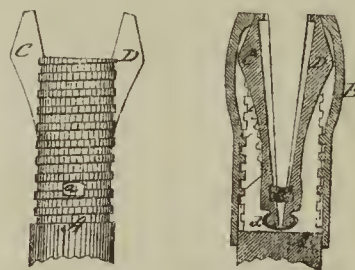
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W. F. LEACH.



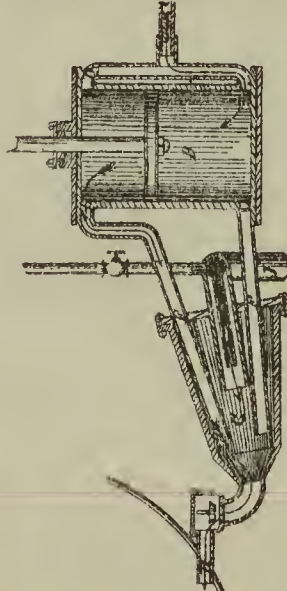
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STEAM ROAD-WAGONS.



111,649, W. A. IVES.
BIT-BRACES.



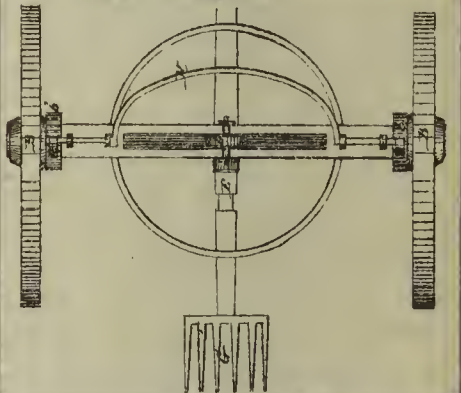
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FEED-WATER APPARATUS.



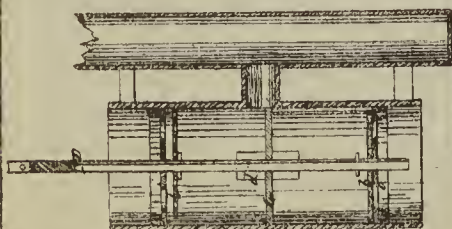
111,654, JOHN LIGHTFOOT.
DYEING AND PRINTING TEXTILE FABRICS

111,655, HENRY LISTER.
MEDICAL COMPOUNDS.

111,656, GEORGE C. LOVE.
POTATO-DIGGERS.

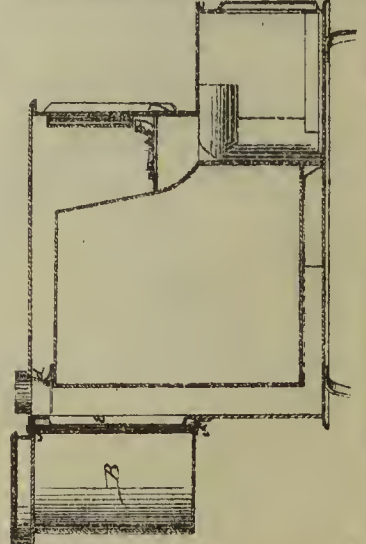


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PUMPS.

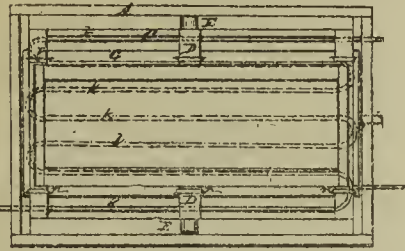


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PLOWS.

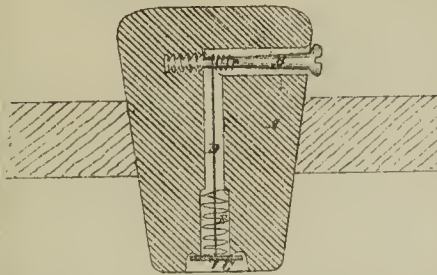
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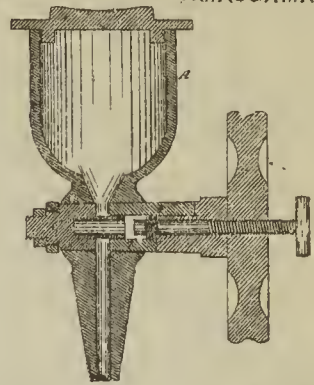
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APPARATUS FOR EXTRACTING
OIL FROM BONE-DUST.



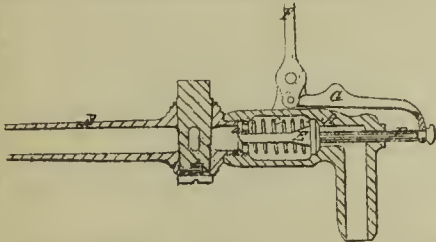
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WM. ASCOUGH.
VENT-PLUGS.



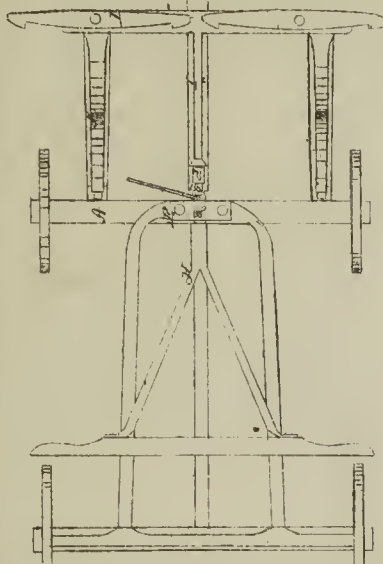
111,669. GEORGE C. MUNSON.
FEEDING QUICKSILVER TO STAMPS AND
AMALGAMATORS.



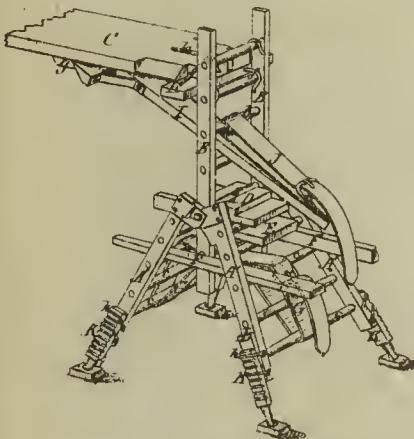
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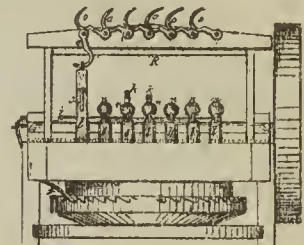
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111,660. NICHOLAS MARTZ. SCAFFOLDS.

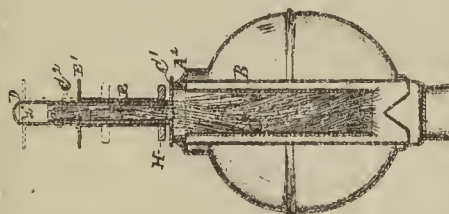


111,670. HUGH R. MURPHY.
MEAT-CUTTERS.

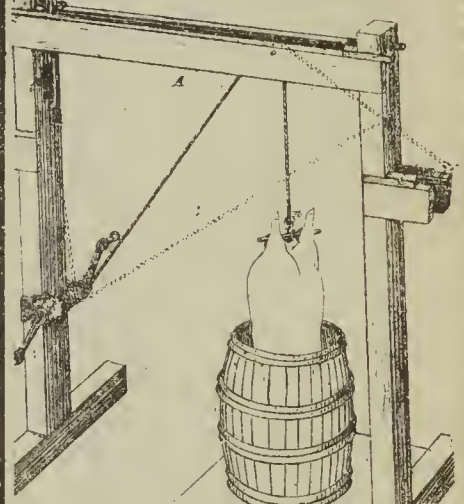


111,661. JAMES H. McCONNELL.
MANUFACTURE OF PAPER.
CORDAGE. TWINE, &c.

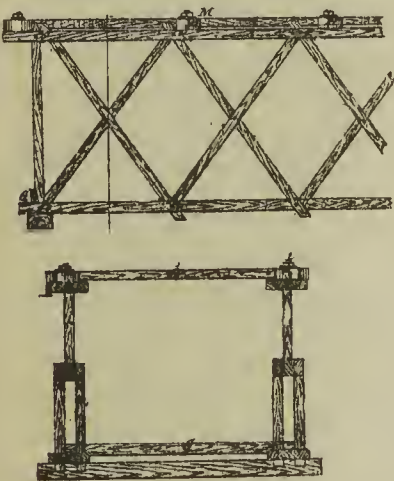
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JAMES O'DONALD
VAPOR-BURNERS.



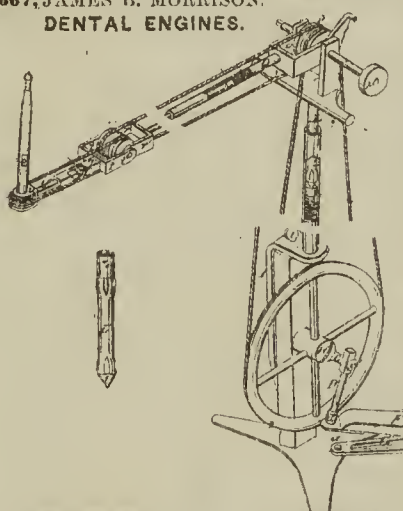
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ANIMAL-HOISTING APPARATUS.



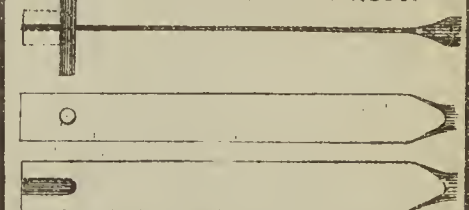
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TRUSS-BRIDGES.



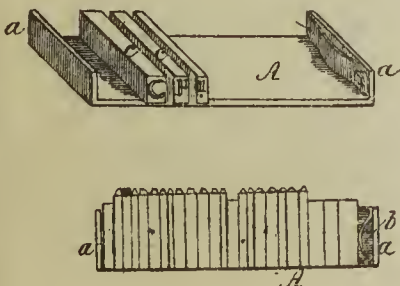
111,667. JAMES B. MORRISON.
DENTAL ENGINES.



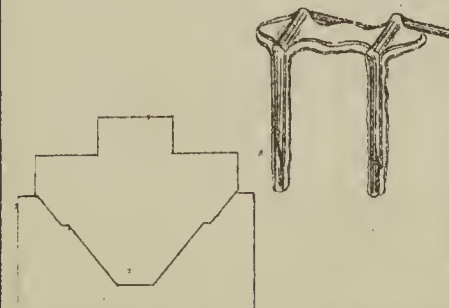
111,672. R. W. NORTON.
CLOCK-PENDULUM RODS.



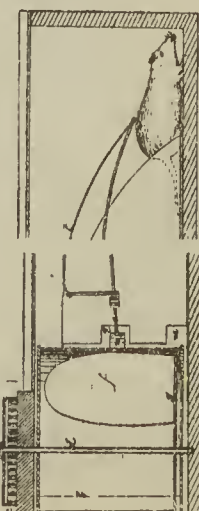
111,663. WILLIAM McNAUGHTON.
TYPE-HOLDERS.



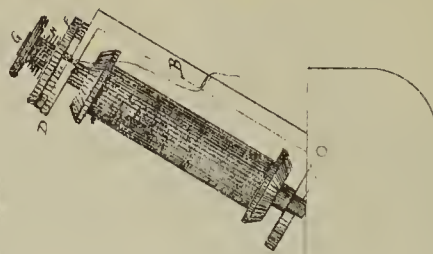
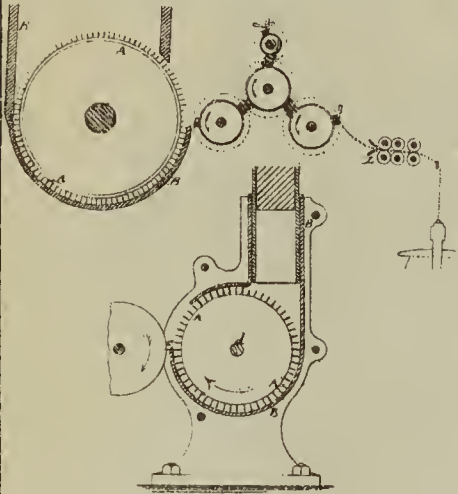
111,668 F. B. MORSE
DIES FOR FORGING, TRIMMING.
AND SHAPING SPRING-CLIPS FOR
CARRIAGES.



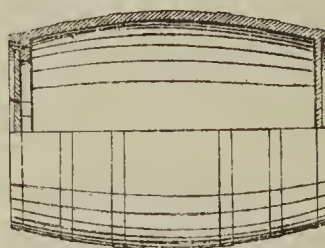
111,673. JAMES O. PARRISH.
ANIMAL-TRAPS.



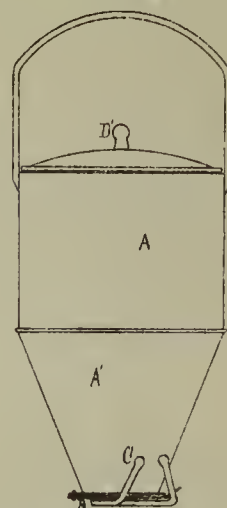
111,674 EDWIN PETTITT.
FEEDING DEVICES FOR CARDING AND
OTHER PREPARING MACHINES.



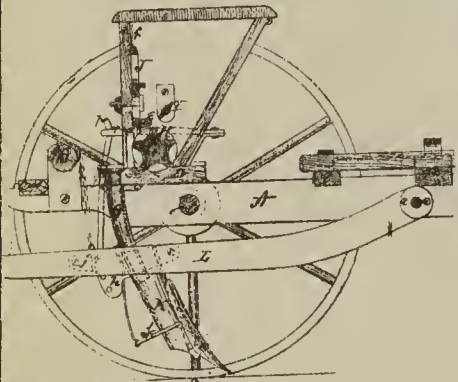
111,679 A. PUTNAM, JR.
CAST-IRON BARRELS.



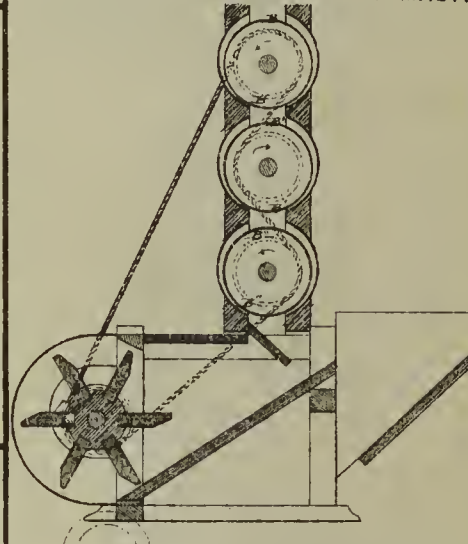
111,685 CHRISTOPHER SALVO.
FERTILIZER-DISTRIBUTERS.



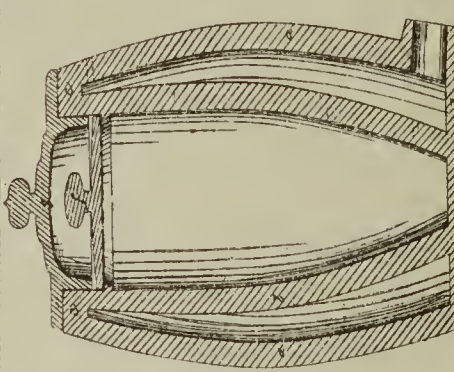
111,675 D. B. PLATT.
COMBINED GRAIN-DRILLS AND
CORN-CULTIVATORS.



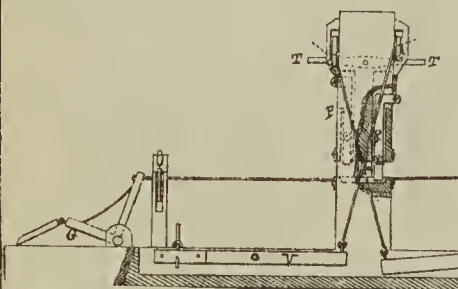
111,686 CHARLES SAUTER.
MACHINES FOR DEGERMINATING MALT.



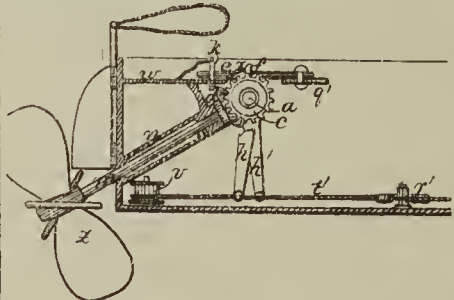
111,680 A. PUTNAM, JR. WATER-COOLERS



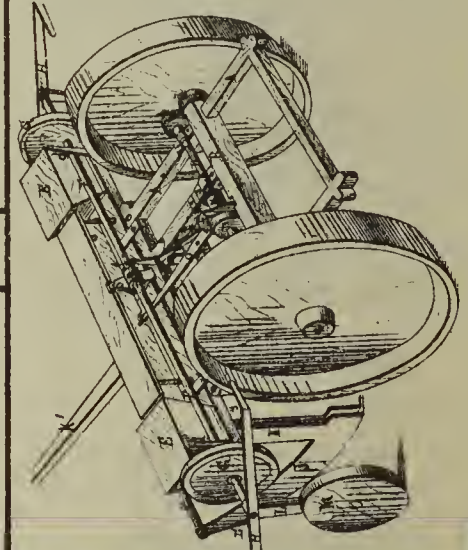
111,676 JOHN POOL GATES.



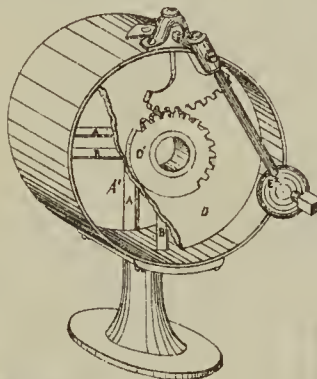
111,681 JOSEPH REPETTY.
PROPELLING APPARATUS FOR BOATS.



111,687 LEVI SCOFIELD. CORN-PLANTERS.

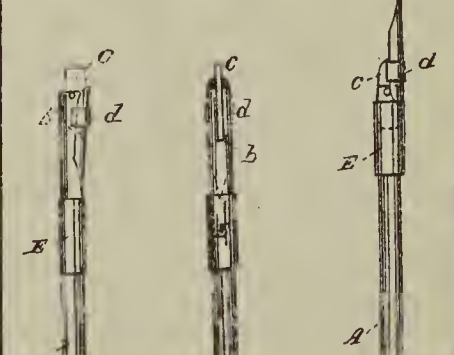


111,677 GEORGE F. POTTLE.
GOVERNORS FOR STEAM-ENGINES.



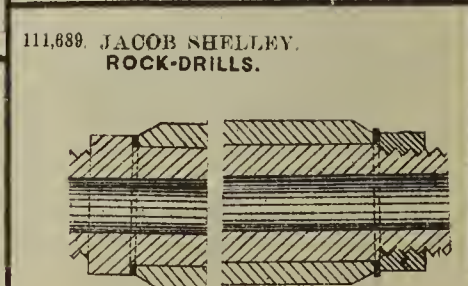
111,682 ALBERT D. RICHARDS.
MEDICATED PLASTERS.

111,683 HENRY ROTH.
PEN-HOLDERS.



111,688 DAVID SCRYMGEOUR.
ELECTROTYPE-DIES OR MOLDS FOR
MOLDING PLASTIC MATERIALS.

111,689 JACOB SHELLEY.
ROCK-DRILLS.



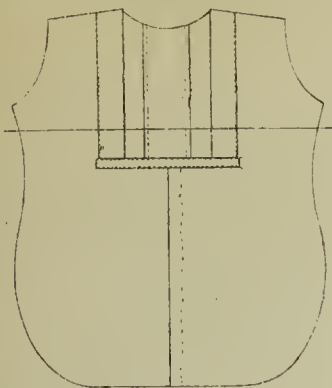
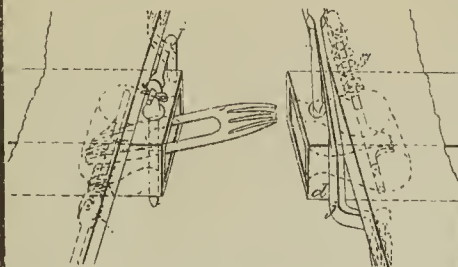
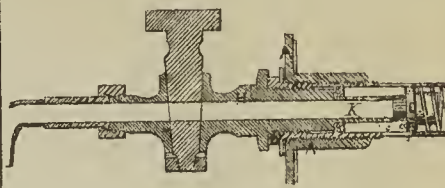
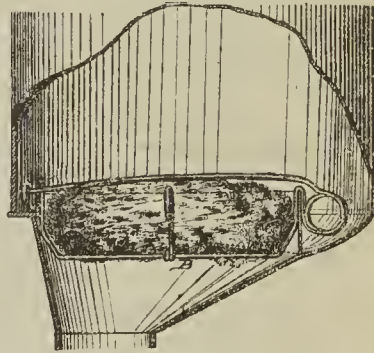
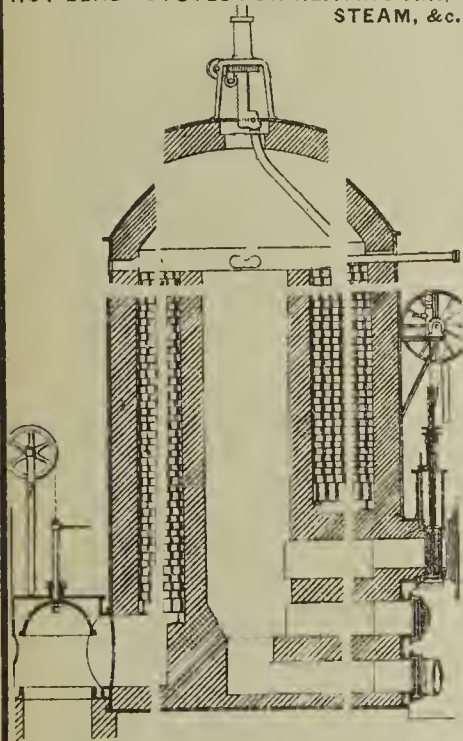
111,678 GEO. M. PRATT.
SHUTTLES FOR SEWING-MACHINES.



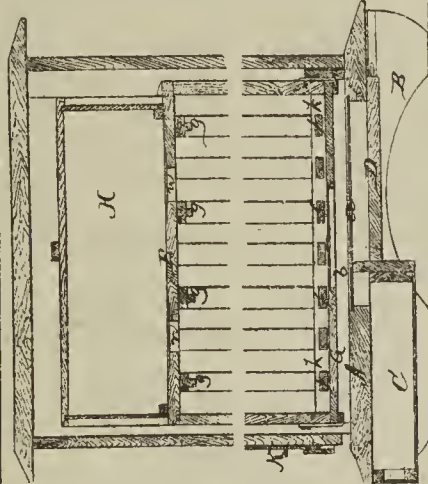
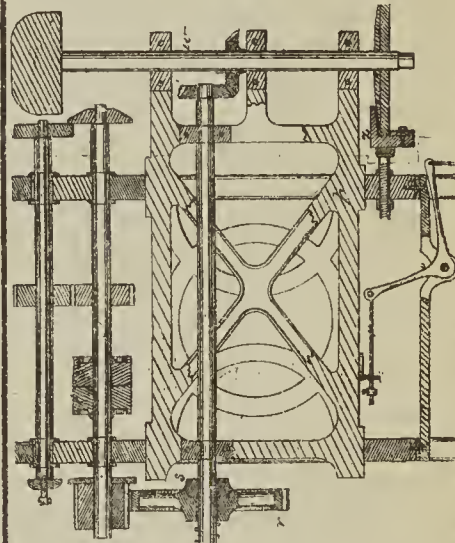
111,684 CHARLES F. RUSS.
BOXES FOR PACKING AND
TRANSPORTING
SHEET-METAL CANS.



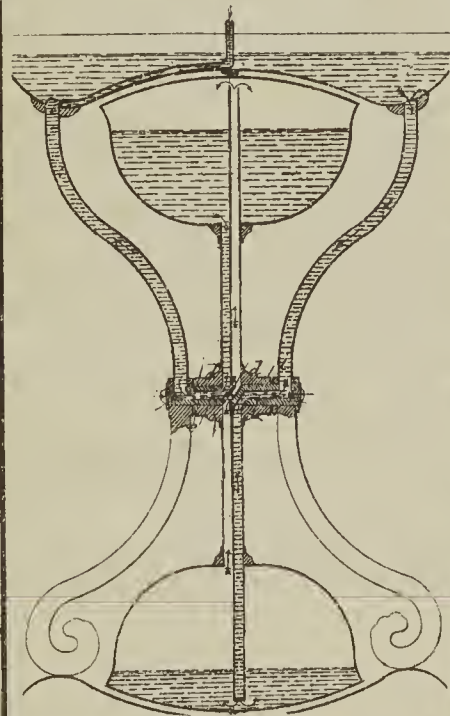
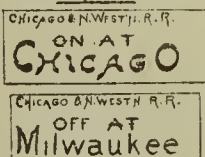
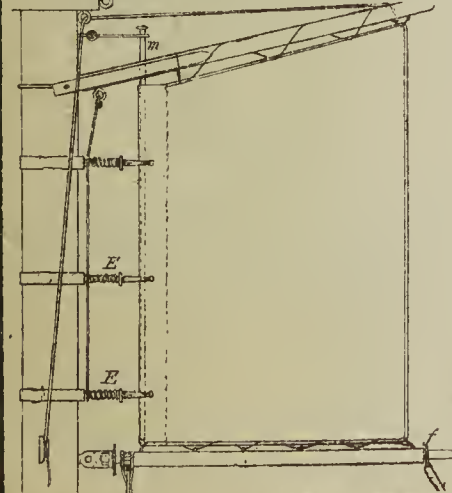
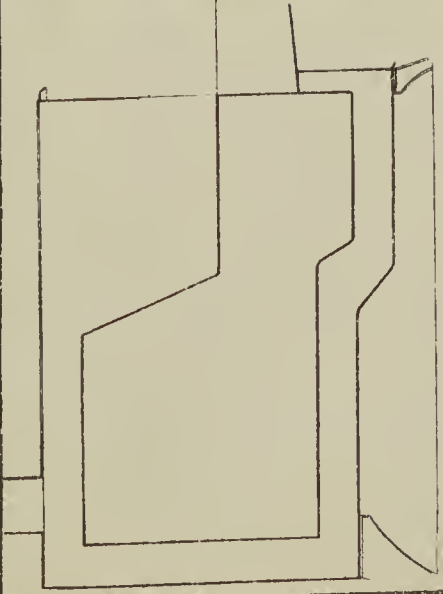
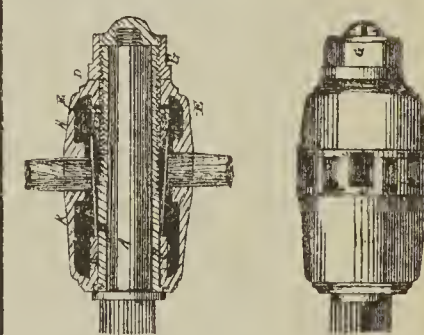
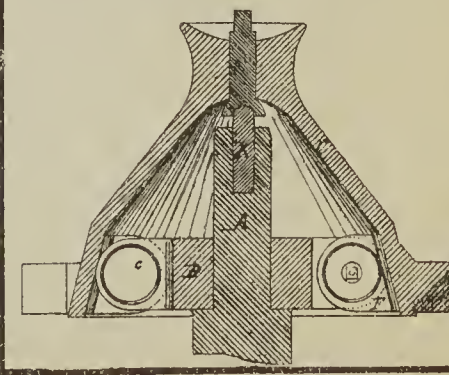
111,690, SOLOMON SIBLEY. SHIRTS.

111,695, LAROCY S. STARRETT.
CAR-COUPPLINGS.111,699, CORNELIOUS SULLIVAN.
COMBINED REMOVABLE COCKS
AND FIXED SOCKETS.111,700, GEO. C. TAFT.
SAND OR EMERY-PAPED111,701, ROBT. W. THOMPSON.
FILTERS FOR CISTERNS.111,691, C. WILLIAM SIEMENS.
EDWARD ALFRED COWPER.
CHARLES COCHRANE.
HOT-BLAST STOVES FOR HEATING AIR,
STEAM, &c.

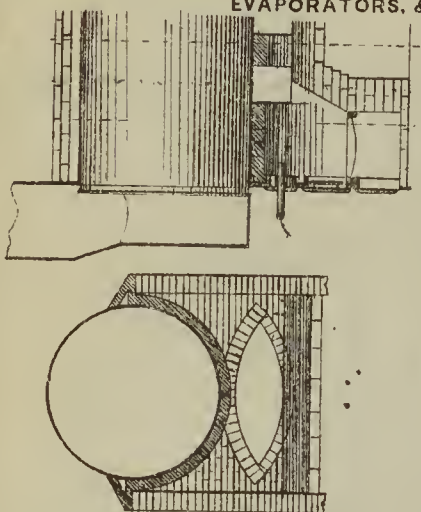
111,696, MONROE J. STEARNS. BEE-HIVES.

111,702, WM. H. TOPHAM.
PAPER-CUTTING MACHINES.

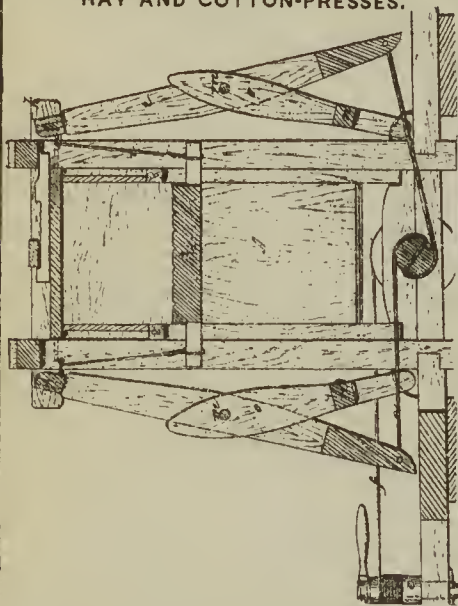
111,697, JOSEPH STORER. FOUNTAINS.

111,692, JOSEPH T. SMITH.
RAILROAD TICKETS.111,693, WILLIAM E. SPARKS.
SPRING-BOLTS.111,694, WILLIAM SPEAR.
DEVICES FOR REEFING AND FURLING
SAILS.111,698, DAVID STUART.
COOKING-STOVES.111,703 J. L. VAN WERT.
HUBS FOR WHEELS.111,704, ALBERT G. WALDO.
MILLSTONE BAILS AND DRIVERS.

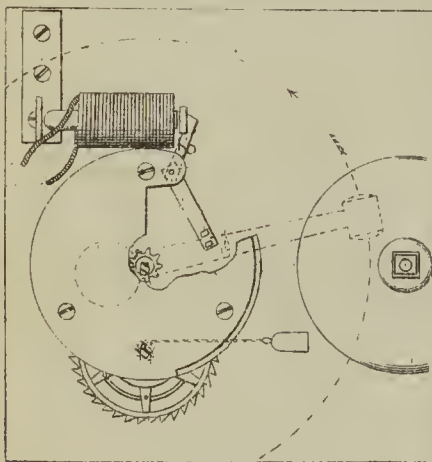
111,705, JAMES D. WHELPLEY.
JACOB J. STORER.
FURNACES FOR BURNING PULVERIZED
FUEL UNDER STEAM-BOILERS,
EVAPORATORS, &c.



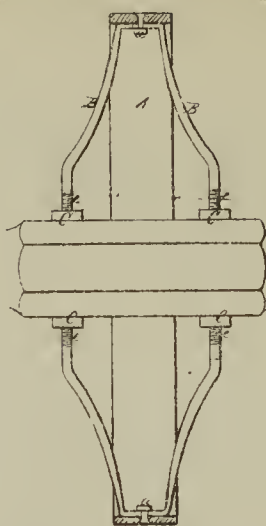
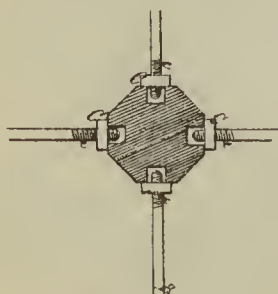
111,706, JACOB LEWIS WHITE.
HAY AND COTTON-PRESSES.



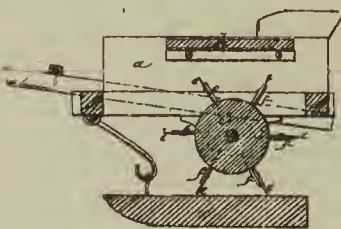
111,707, CHARLES WILLIAMS, JR.
JEROME REDDING.
ELECTRO-MAGNETIC ALARM-BELLS.



111,708, GEORGE WITHINGTON.
WHEELS FOR WHEELBARROWS.



111,709, JOHN WOOD.
MACHINES FOR CUTTING CORN-STALKS.



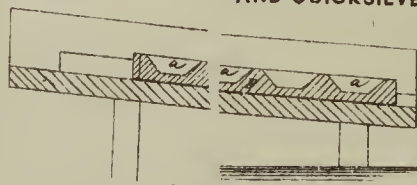
111,710, A. B. WOODARD.
WILLIAM BRUEN
HARNESS-SNAPS.



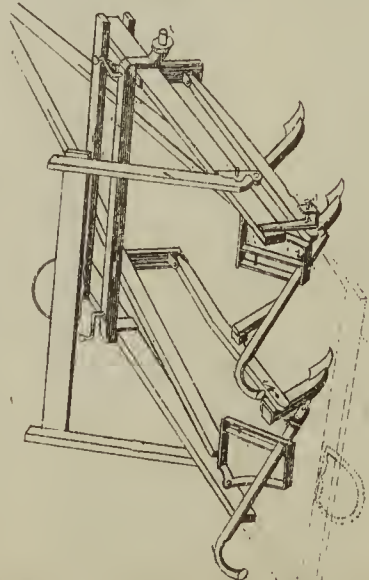
111,711, WESLEY A. WRIGHT.
MEDICATED SMOKING-TOBACCOS.

111,712, WESLEY A. WRIGHT.
TREATING SMOKING-TOBACCO.

111,713, OLIVER H. YOUNG.
DANIEL J. VAUGHN.
DEVICES FOR SAVING GOLD AMALGAM
AND QUICKSILVER.



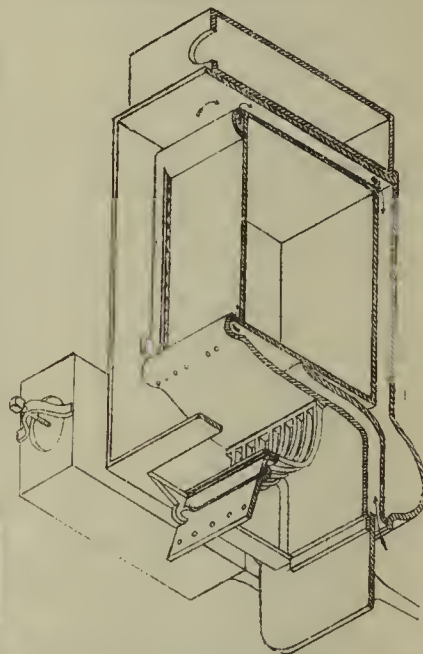
4,252, WILLIAM A. DRYDEN.
CYRUS E. DRYDEN.
CULTIVATORS.



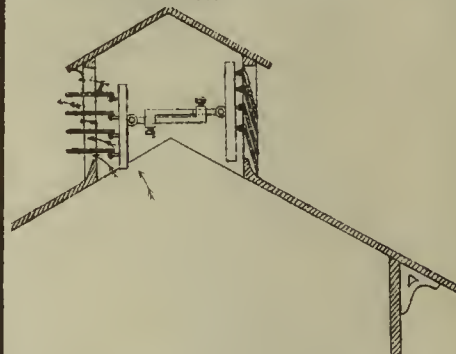
4,253, ABIEL CODDING, JR.
ENAMELED BRACELETS.



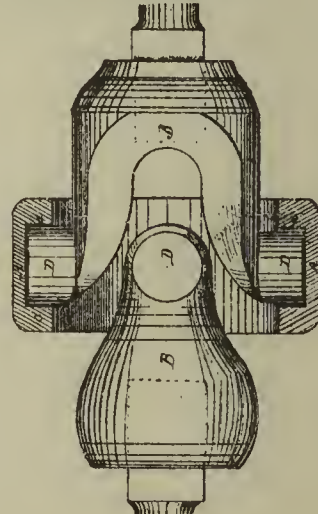
4,254, CHARLES P. GEISSENHAINER.
COOKING-STOVES.



4,255, MELVILLE E. MEAD.
VENTILATORS.



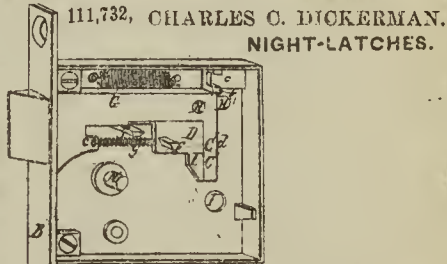
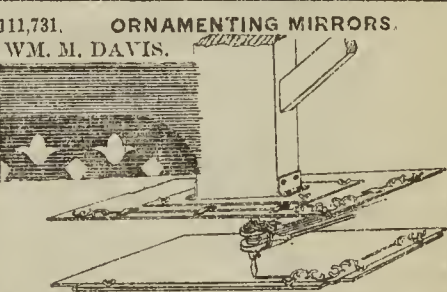
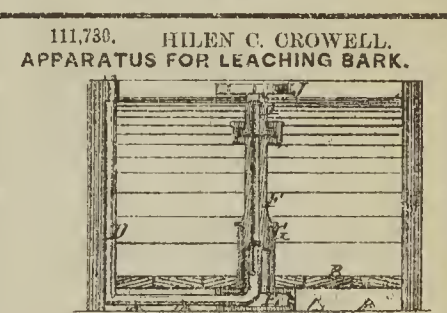
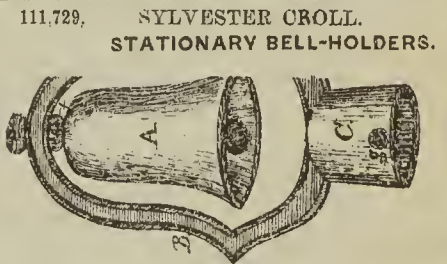
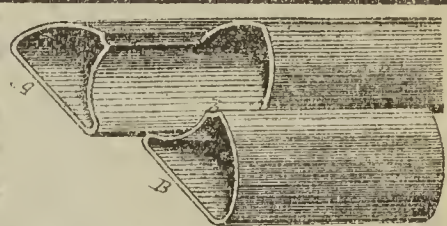
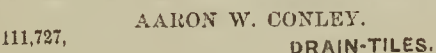
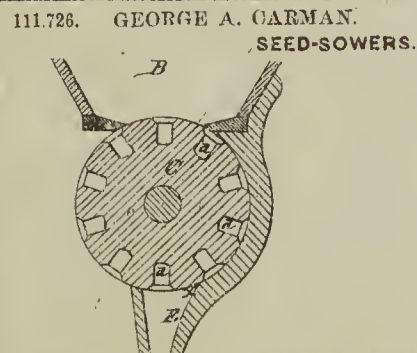
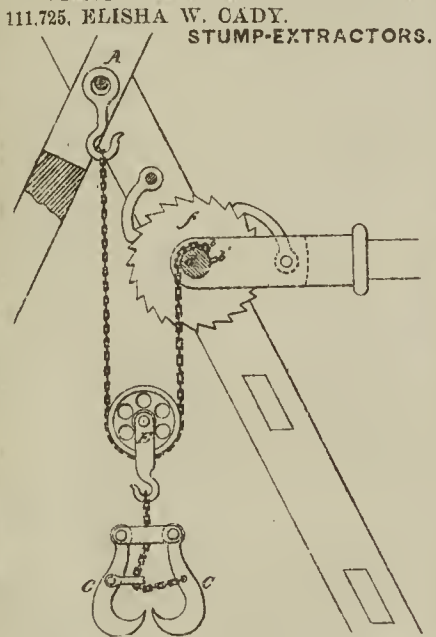
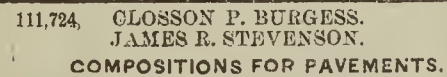
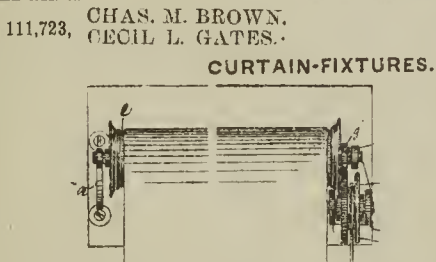
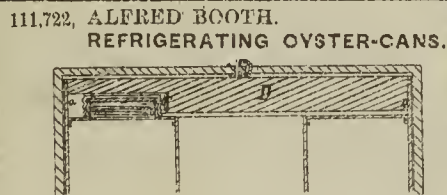
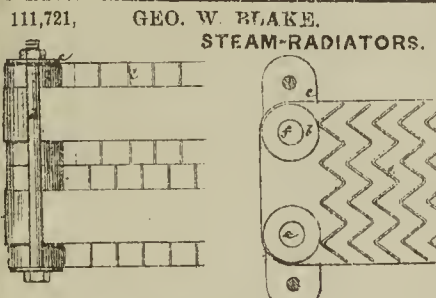
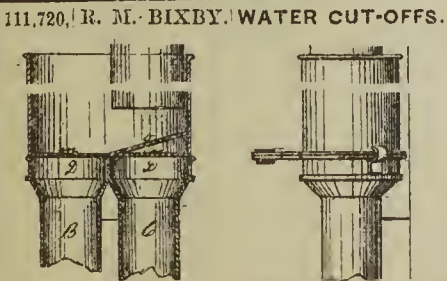
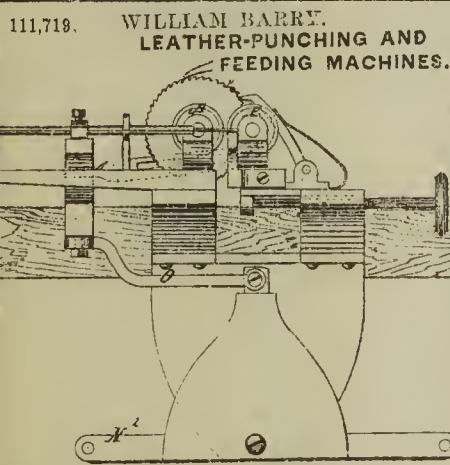
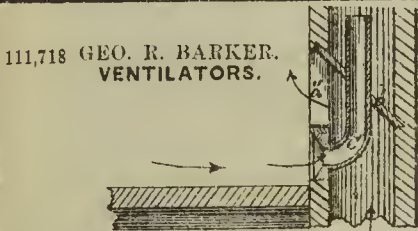
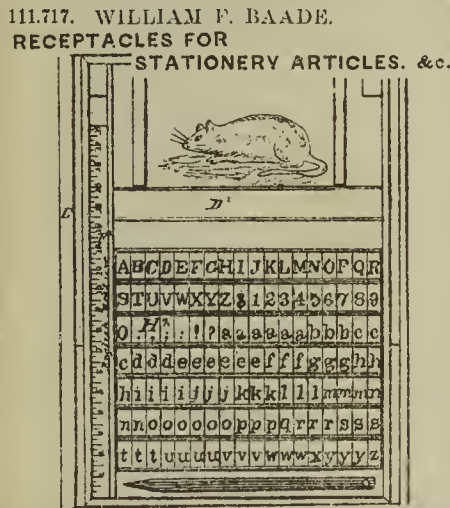
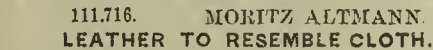
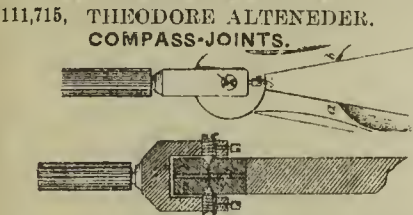
4,256, SILAS C. SCHOFIELD
SHAFT-COUPPLINGS.



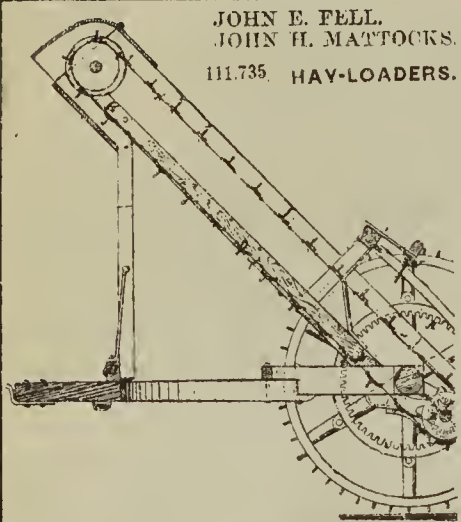
4,257, HENRY G. TYER.
OVERSHOES.



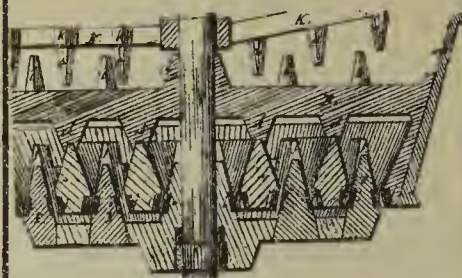
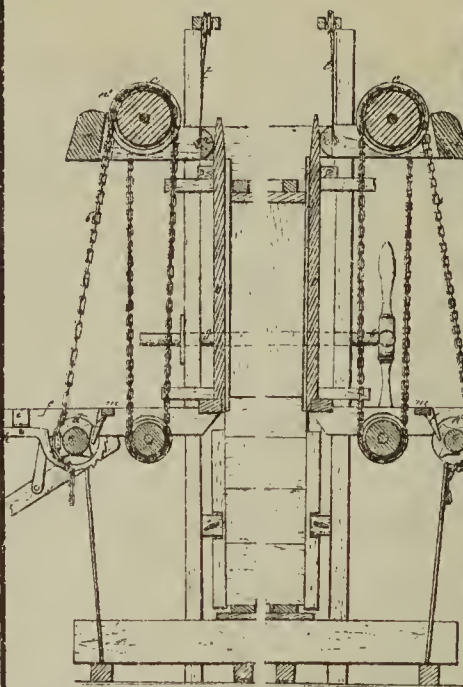
ILLUSTRATIONS OF PATENTS
ISSUED FROM
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FEB. 14, 1871.



111,734 LEVI S. FALES.
TREATING BLOOD FOR THE
MANUFACTURE OF FERTILIZERS.



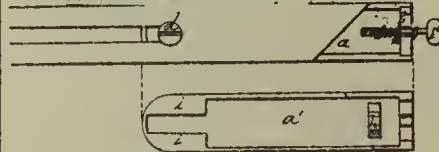
JOHN E. FELL.
JOHN H. MATTOCKS.
111,735 HAY-LOADERS.



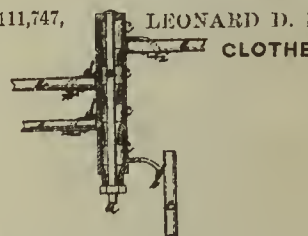
111,745, ANIMAL-TRAPS.
ASAHEL A. HOTCHKISS.



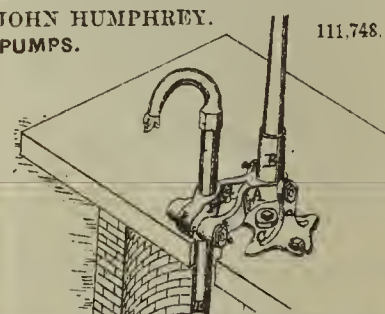
LEONARD D. HOWARD. 111,746.
ADJUSTABLE BEVELS



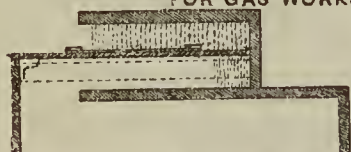
111,747, LEONARD D. HOWARD.
CLOTHES-DRIERS.



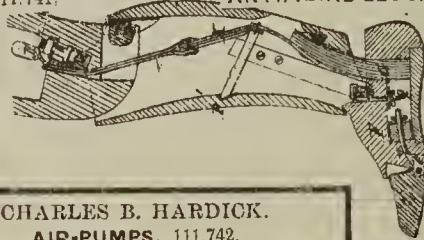
JOHN HUMPHREY.
PUMPS. 111,748.



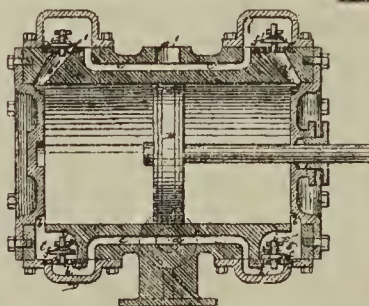
111,737. ANDREW FULTON.
PURIFIERS, CONDENSERS, &c.,
FOR GAS WORKS.



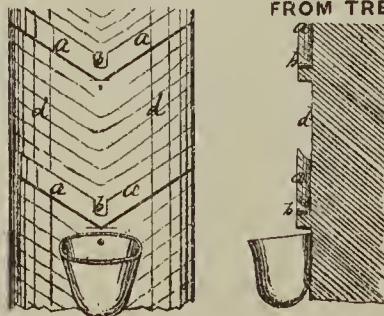
JAMES E. HANGER.
111,741. ARTIFICIAL LEGS.



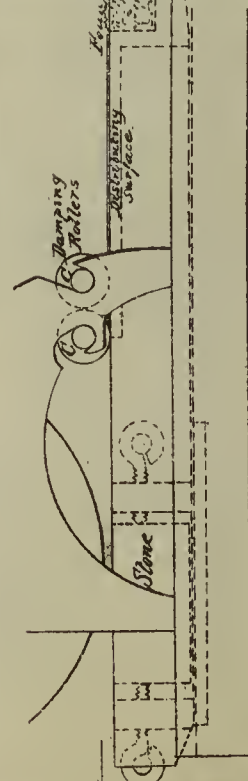
CHARLES B. HARDICK.
AIR-PUMPS. 111,742,



BENJAMIN I. HAZARD.
111,743, EXTRACTING TURPENTINE
FROM TREES,

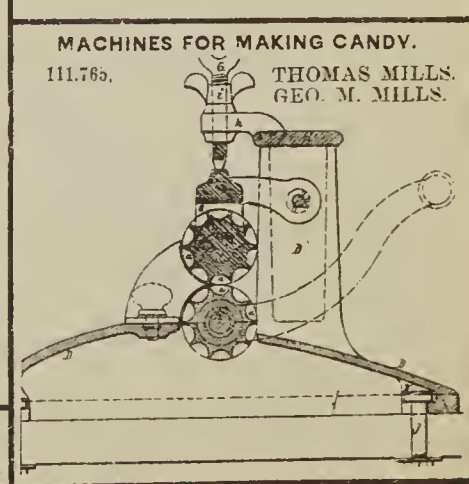
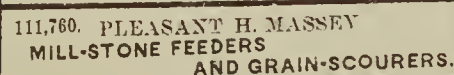
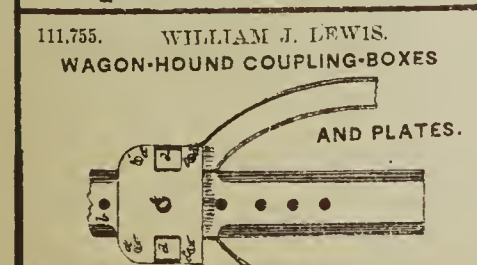
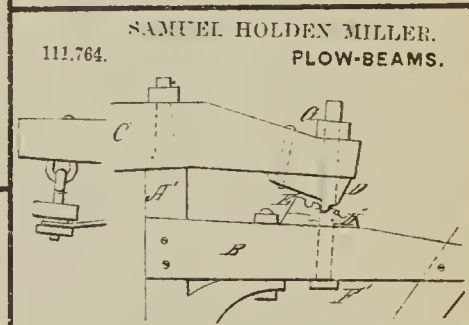
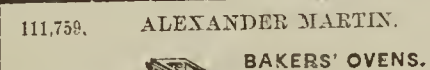
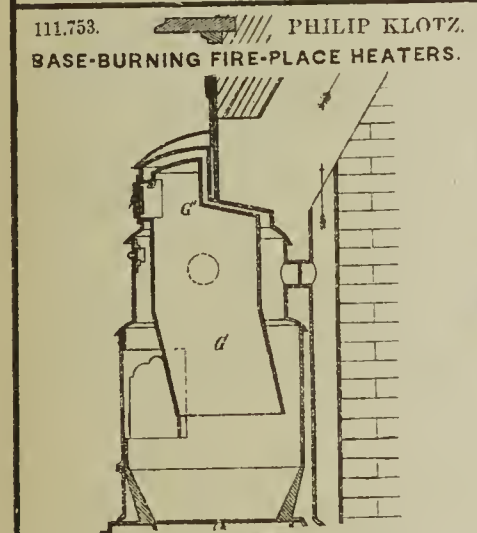
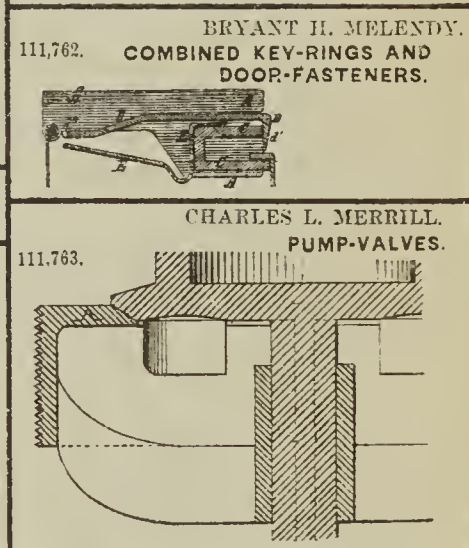
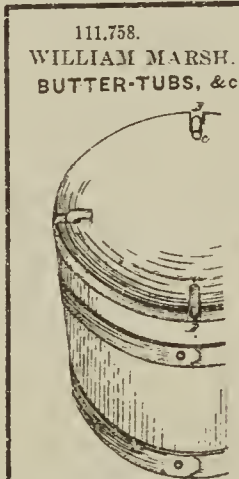
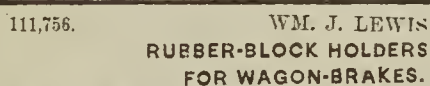
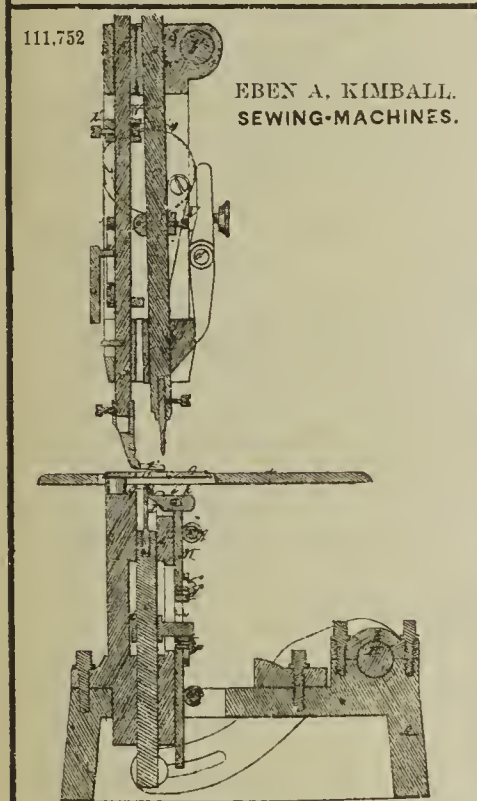
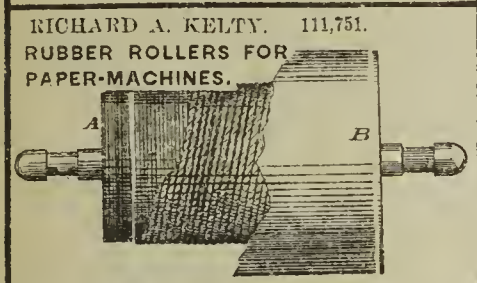
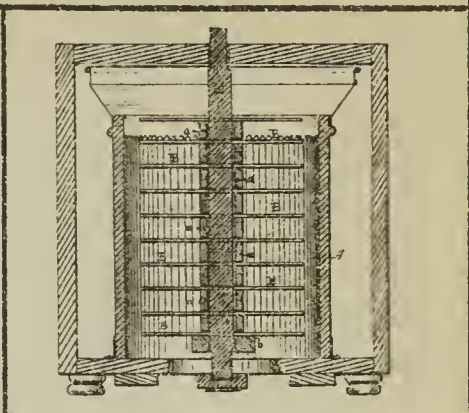
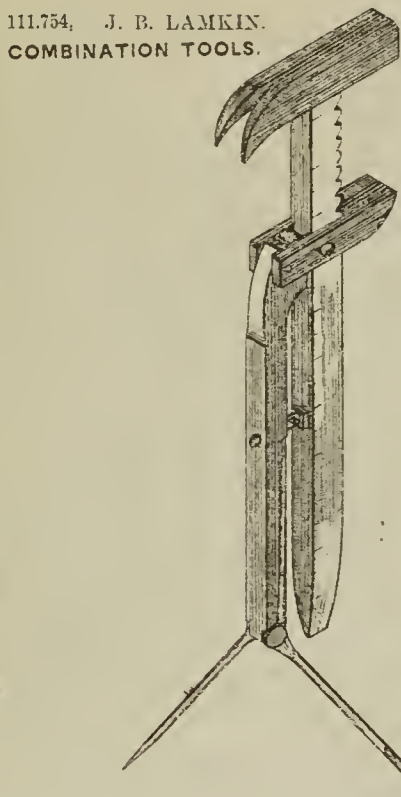


111,749 LITHOGRAPHIC PRESSES.
THOS. HUNTER.

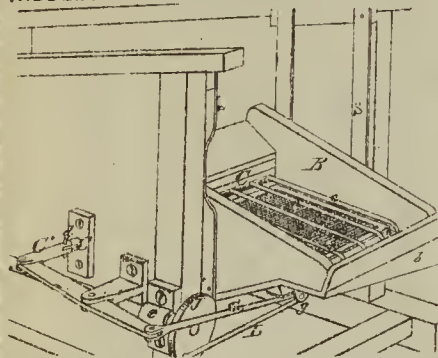


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COTTON-PRESSES.

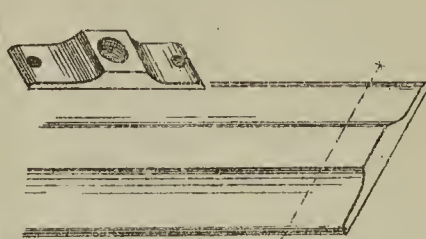
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BARK-MILLS.



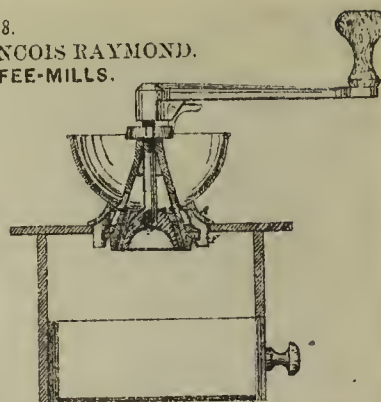
111,766. DANIEL MURPHY.
RIDDLES FOR THRASHING-MACHINES.



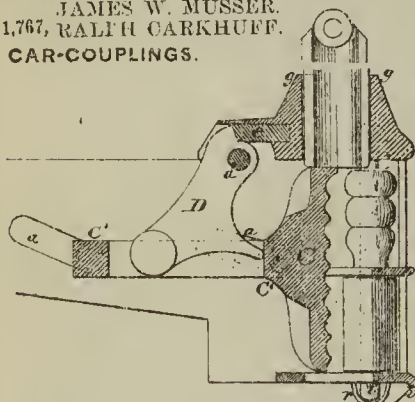
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ROLLED BARS FOR NUT-BLANKS.



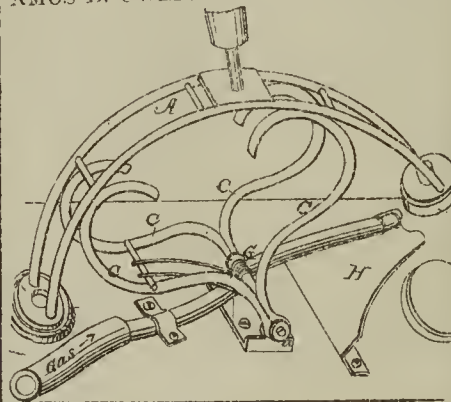
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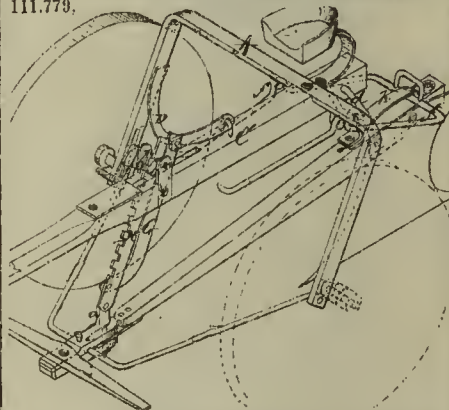
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RALPH CARKHUFF.
CAR-COUPPLINGS.



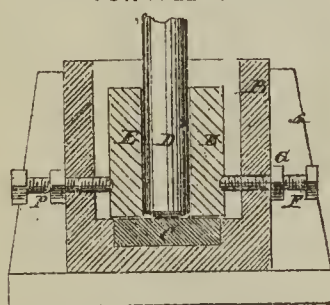
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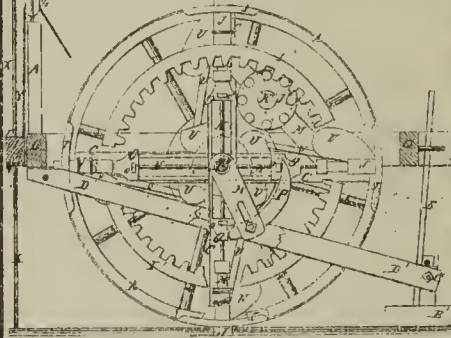
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MACHINES FOR CLEANING AND
SCOURING WHEAT.



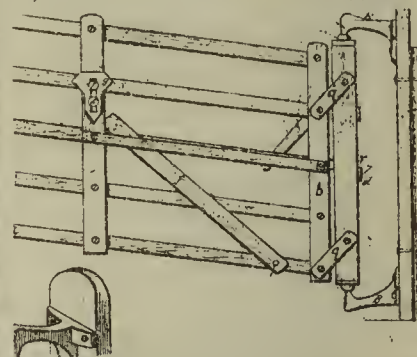
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STEPS AND TRAM-BOXES
FOR MILL-SPINDLES.



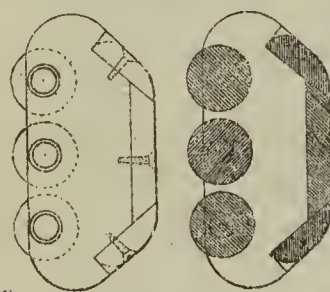
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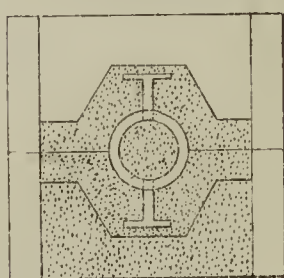
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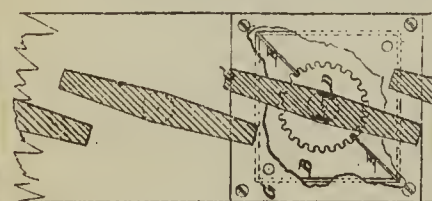
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HAND-WASHING RUBBERS.



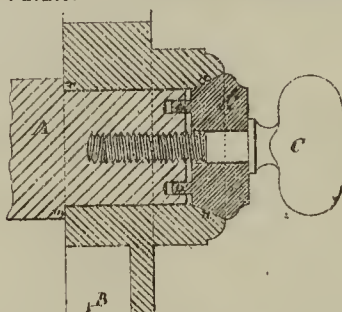
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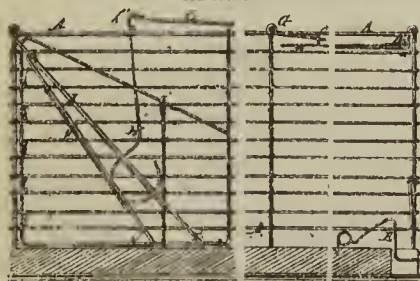
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ALEXANDER LEAVITT.
BLIND-SLAT REGULATORS.



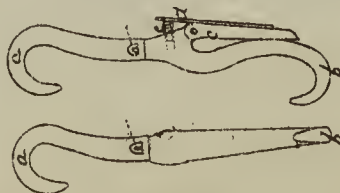
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ADJUSTABLE ATTACHMENTS OF CAMS
FOR FLIERS OF PRINTING-PRESSES.



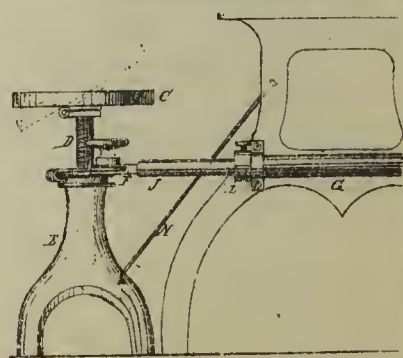
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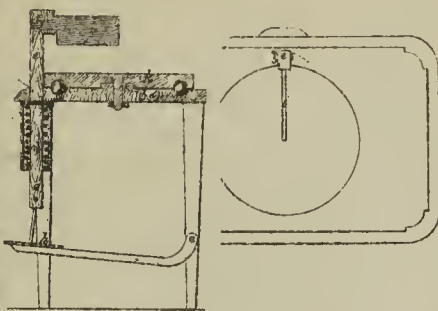
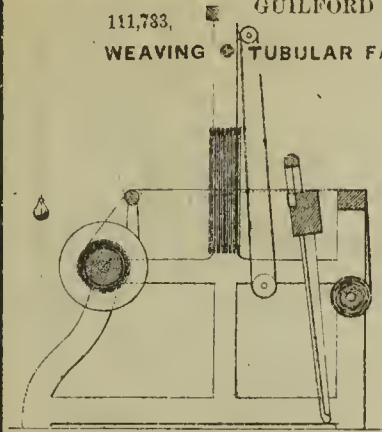
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CLOTHES AND HAT-HOOKS.



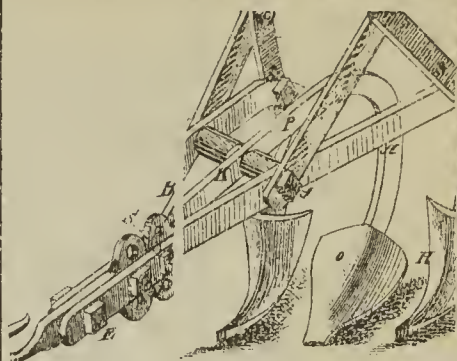
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SEWING-MACHINE SEATS.



111,783, GUILFORD SMITH.
WEAVING TUBULAR FABRICS

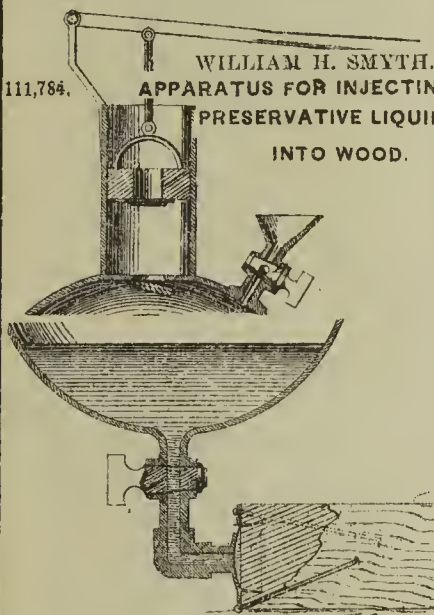


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REMOVING SLAG FROM FURNACES.

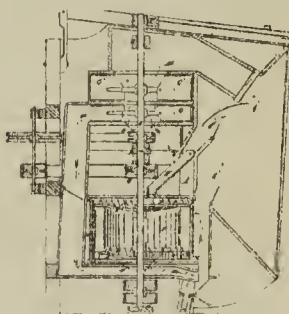
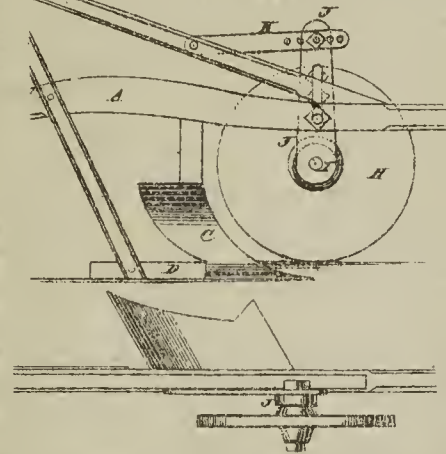


111,794, WM. H. WASH.
SMUT AND WHEAT-SEPARATING
MACHINES.

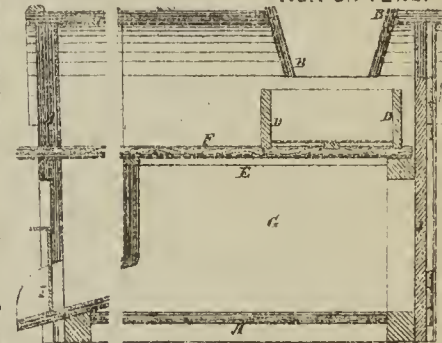
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APPARATUS FOR INJECTING
PRESERVATIVE LIQUIDS
INTO WOOD.



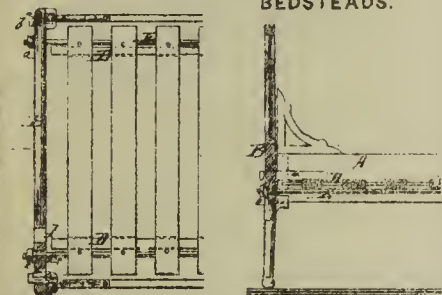
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COMBINED FENDERS
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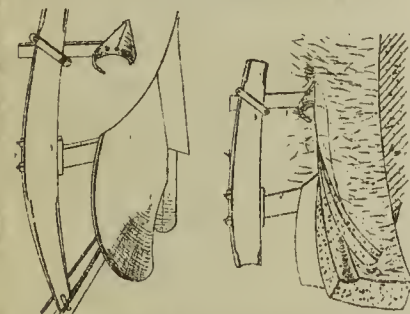
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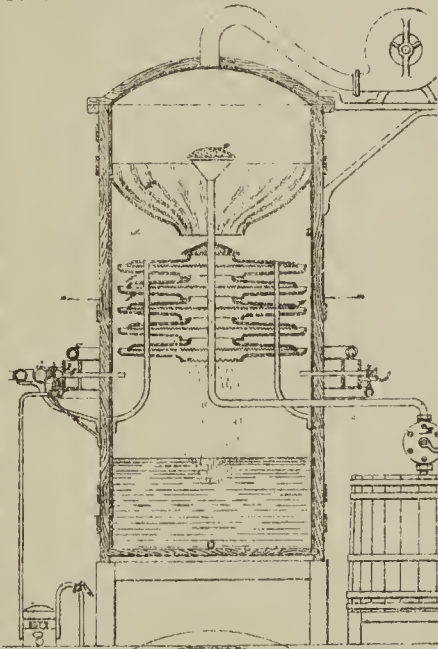
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BEDSTEADS.



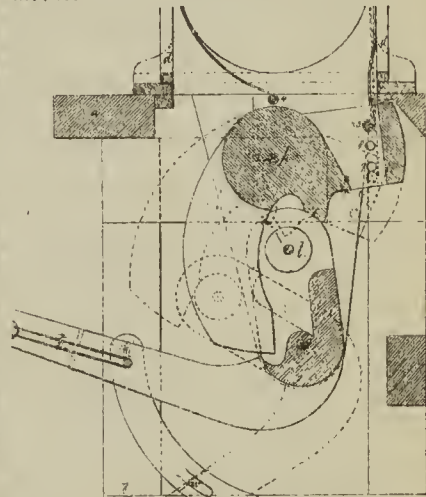
111,788, ANDREW J. SPICER.
PRAIRIE-PLOW JOINTERS.



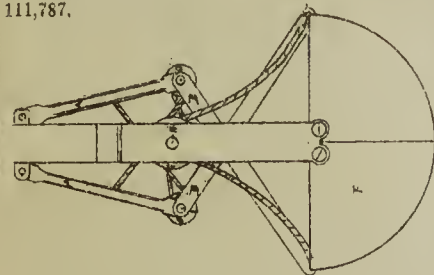
111,791, REUBEN D. TURNER.
APPARATUS FOR THE TREATMENT
OF ALCOHOLIC AND OTHER SPIRITS.



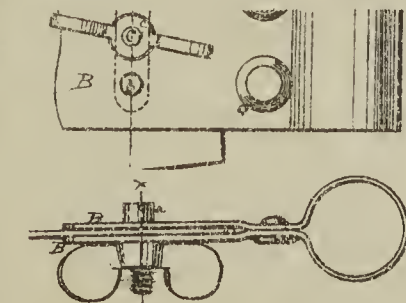
111,796, W. L. WILLIAMS.
MACHINES FOR BUNDLING WOOD.



111,787, THOMAS SYMONDS. EXCAVATORS.

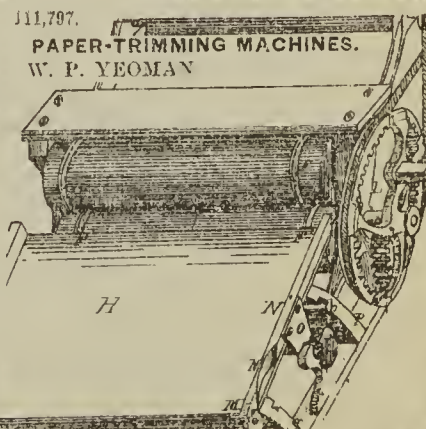


111,792, SAM'L. W. VALENTINE.
METHODS OF ATTACHING
HANDLES TO SAWS.



111,786, JAMES H. THOMAS.
MACHINES FOR CUTTING CHEESE,
BUTTER, &c.

111,793, R. P. VAN HORNE.
DOUBLE-SHOVEL PLOWS.



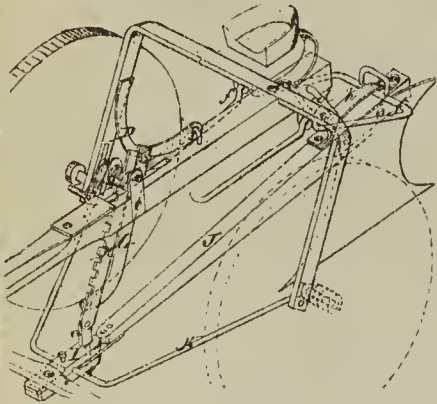
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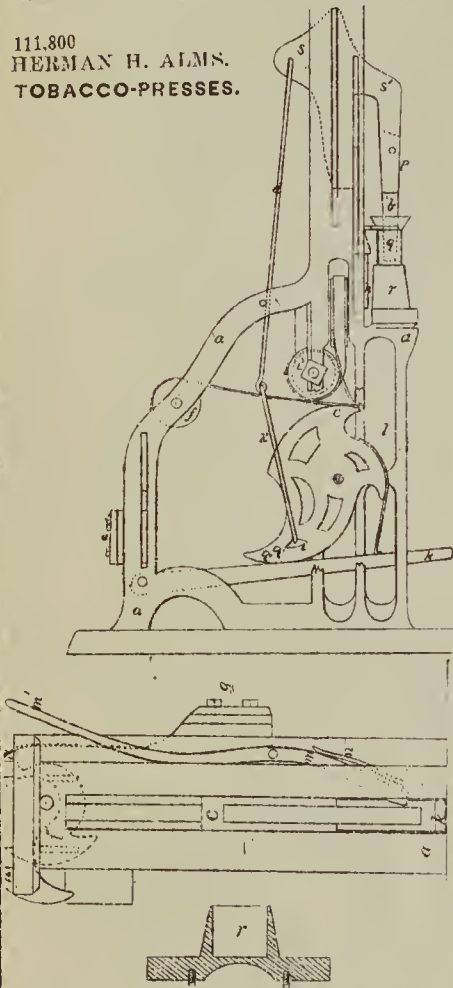
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A. H. ALLISON.

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BREAKING-PLOWS.

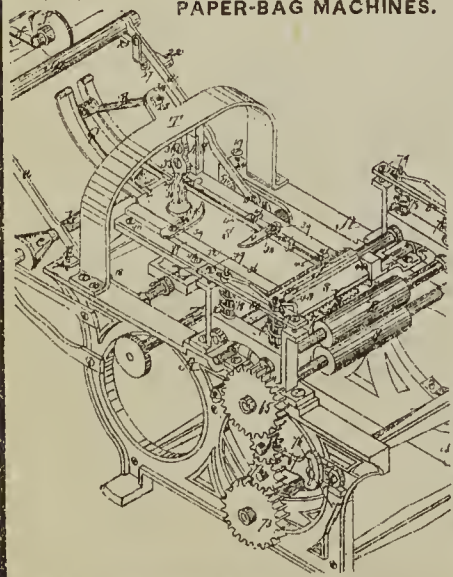
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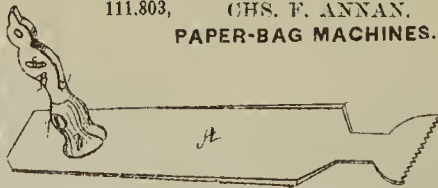
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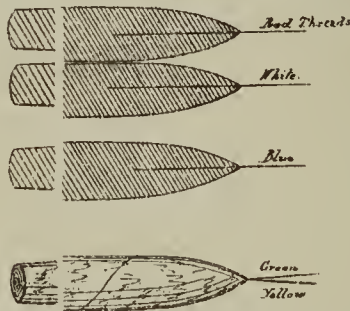
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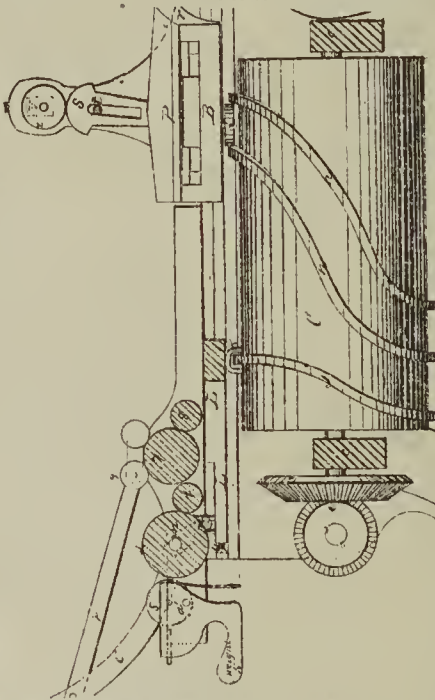
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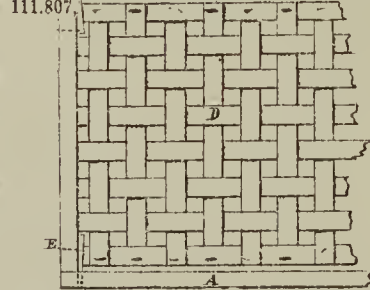
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R. H. ANDREWS.
DEVICES FOR LABELING CIGARS.

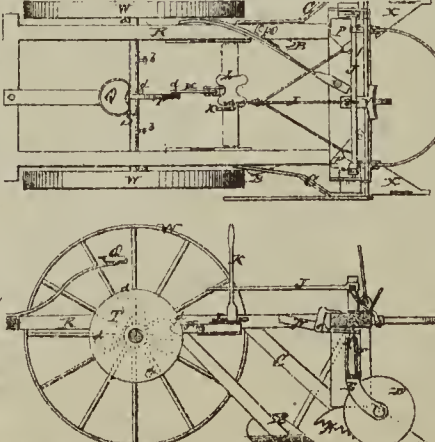
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AMOS H. BANGLE.
PRINTING-PRESSES.111,806, THOMAS J. BARRON.
CONCRETE FOR PIPES, BRICKS, &c.

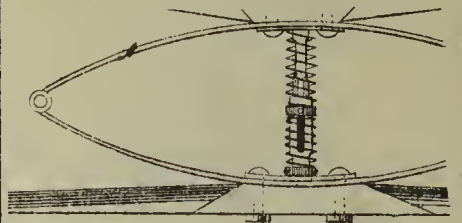
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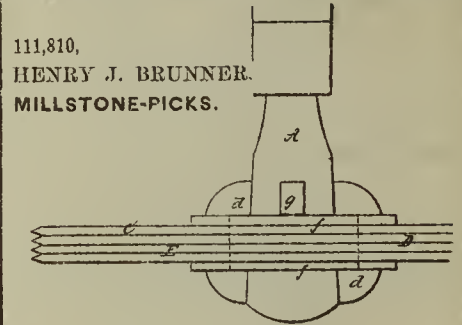
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CORN-PLANTERS.

111,809,

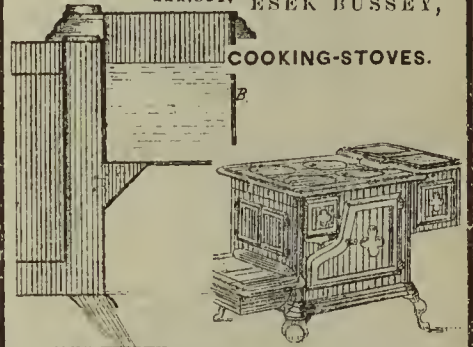
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HENRY J. BRUNNER.
MILLSTONE-PICKS.

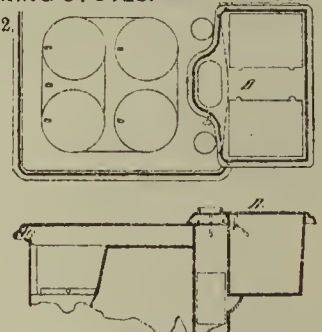
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COOKING-STOVES.



COOKING-STOVES. ESEK BUSSEY.

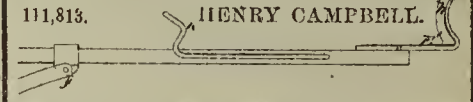
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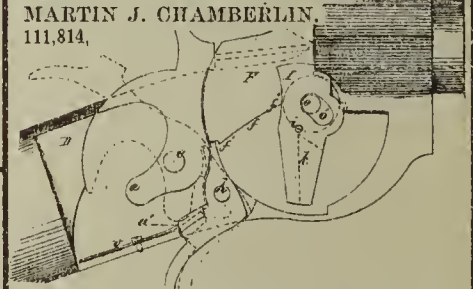
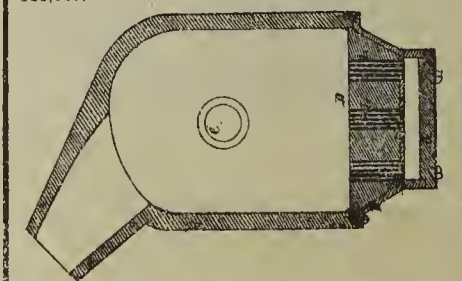
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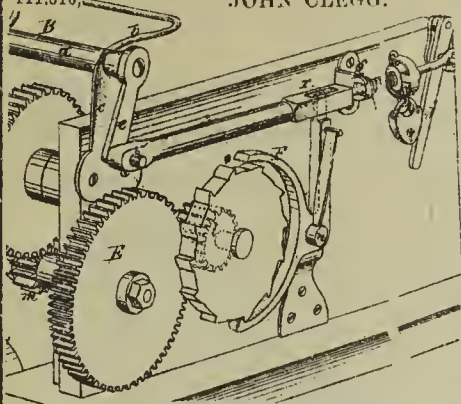
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MARTIN J. CHAMBERLIN.

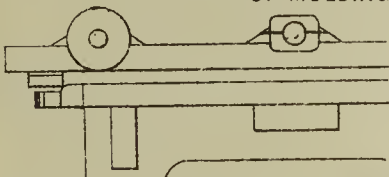
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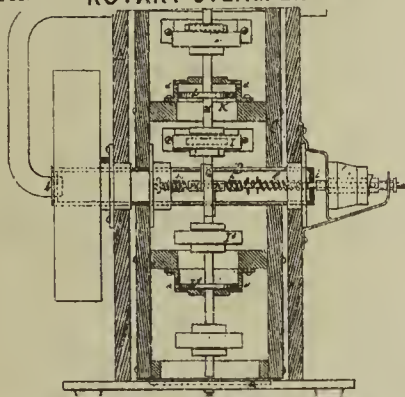
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111,816, JOHN CLEGG.



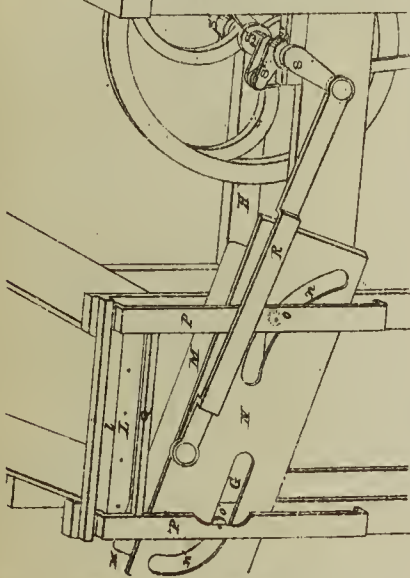
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HENRY A. WHITELEY.
MACHINES FOR THE MANUFACTURE
OF MOLDINGS.



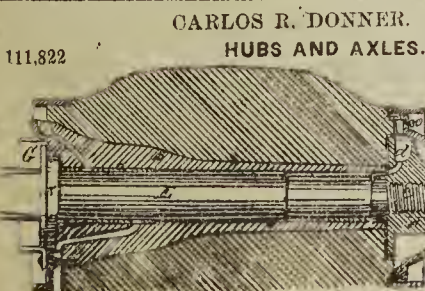
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ROTARY STEAM-ENGINES.



111,819, JOHN CRILEY.
WHITNEY GILBREATH.
FEED-CUTTERS.

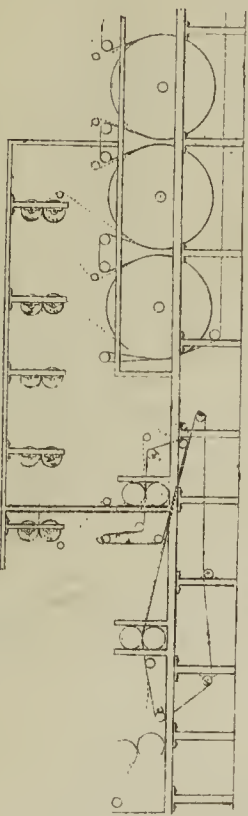


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DENTIFRICES.

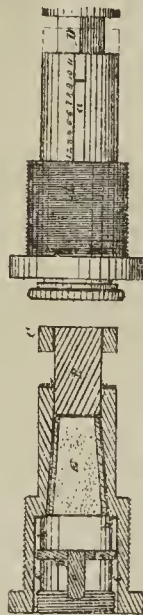


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HUBS AND AXLES.

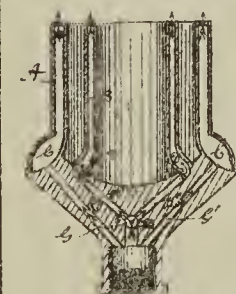
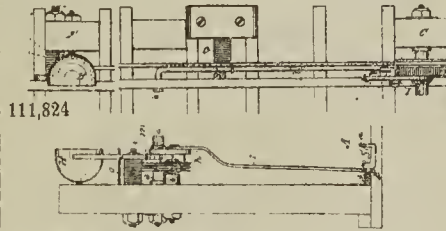
111,820. DANIEL CROSBY.
APPARATUS FOR SMOOTHING AND
PRESSING PAPER DURING THE
MANUFACTURE.



111,823.
ELLIS DRAKE.
SHELL-FUSES.

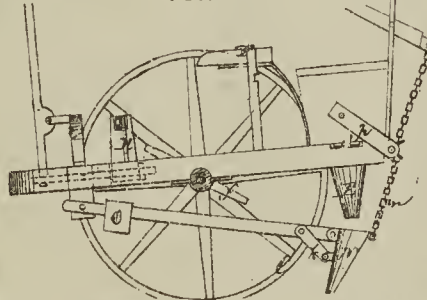


GEORGE DRAPER, RAILWAY ALARMS.

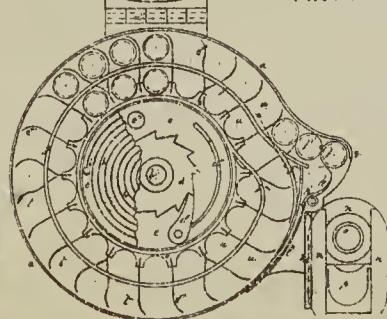


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A. E. DUPAS.
GAS-BURNERS.

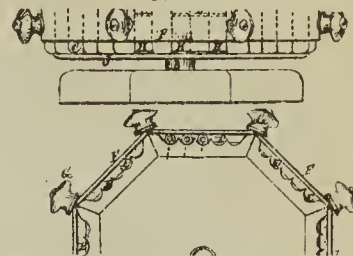
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CORN-PLANTERS.



111,827. WM. H. ELLIOT.
MAGAZINES FOR BREECH-LOADING
FIRE-ARMS.



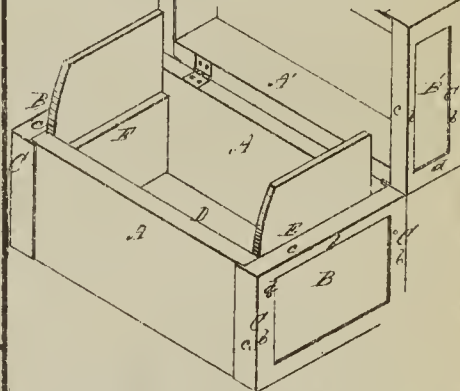
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SPOOL-SILK CASES.



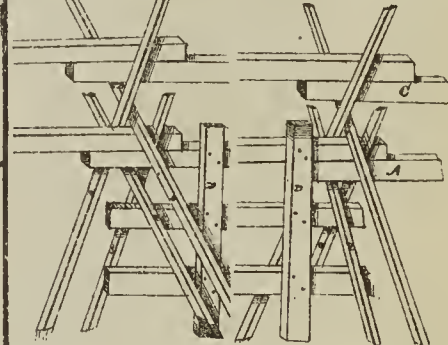
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GAUGES FOR SAW-FILERS.



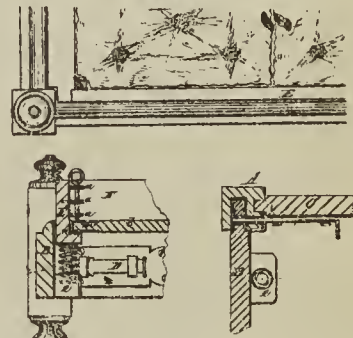
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TRAVELING-TRUNKS.



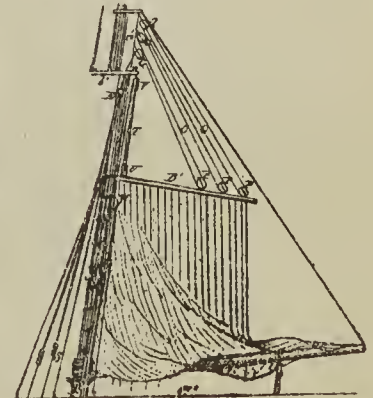
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FENCES.



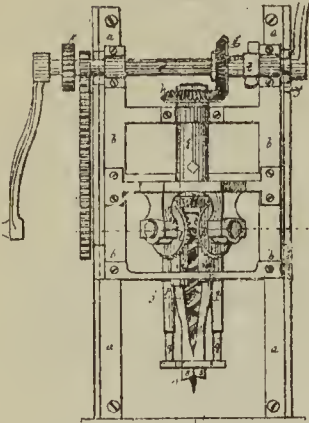
111,832. FREDERIC G. FORD.
BEDSTEADS AND BED-BOTTOMS.



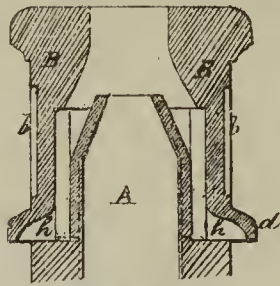
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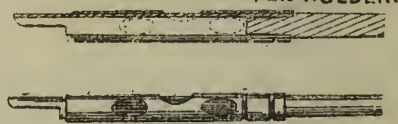
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JOSEPH W. FOWLE.

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CHIMNEY-TOPS.

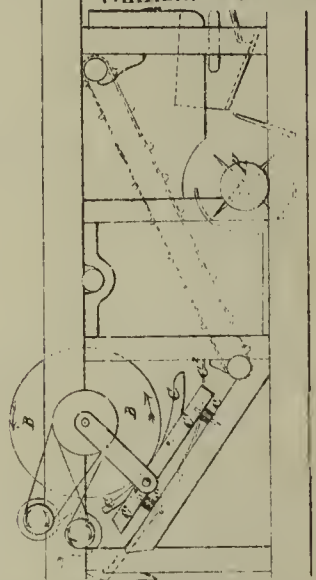
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ISAAC JACOBS.
PEN-HOLDERS.

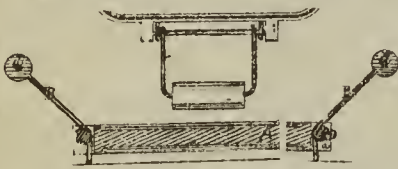
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W. N. JACKSON.
SASH-CORD FASTENERS.

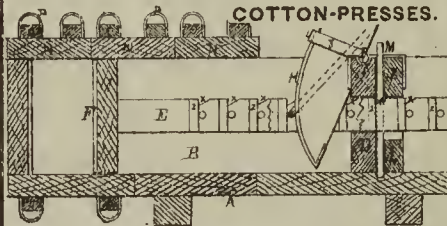
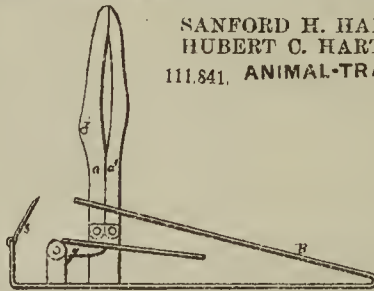
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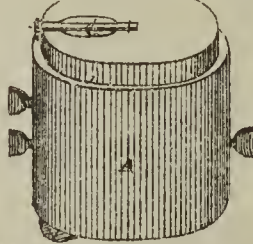
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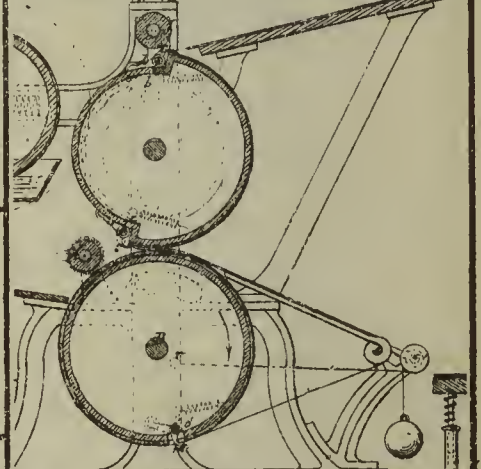
111,840,

ROBERT J. ^{his} HARRISON.
COTTON-PRESSES.**SANFORD H. HART.**
HUBERT C. HART.
111,841. ANIMAL-TRAPS.

111,842.

D. C. HARTMAN.
EARTH-CLOSETS.

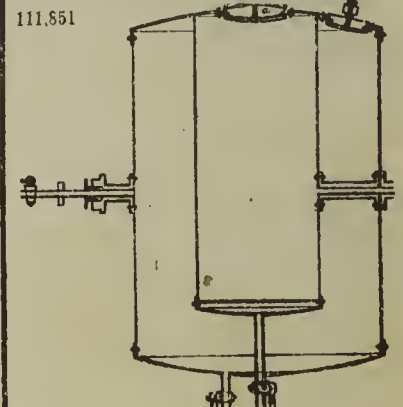
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MACHINES FOR LINING PASTEBOARDS.

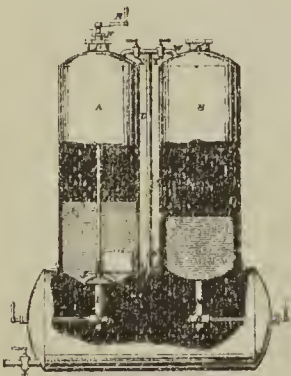
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W. G. JAMES.
STOVE-OVEN GRATES.**TREATING BONES, HORNS, HOOF, &c.**
FOR MANUFACTURE OF FERTILIZERS.
WILLIAM BURR JOHNS.

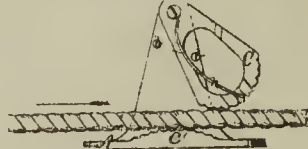
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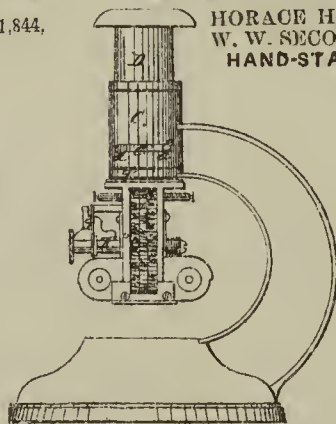
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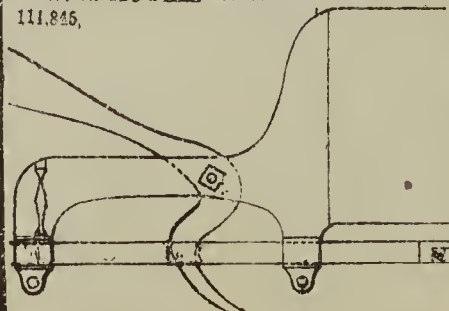
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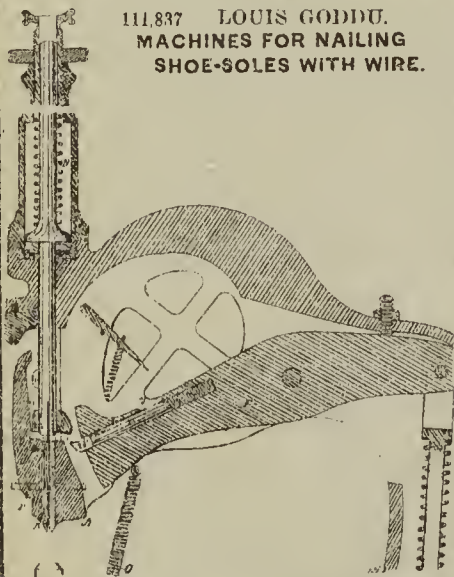
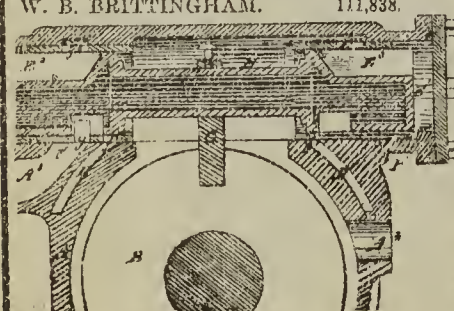
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W. W. SECOMBE.
HAND-STAMPS.

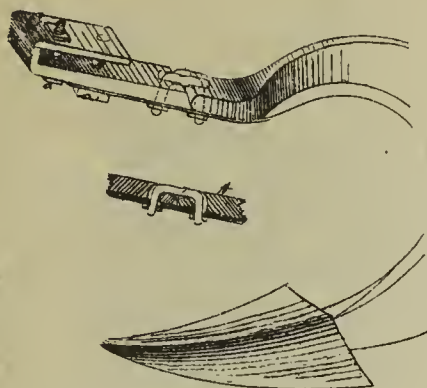
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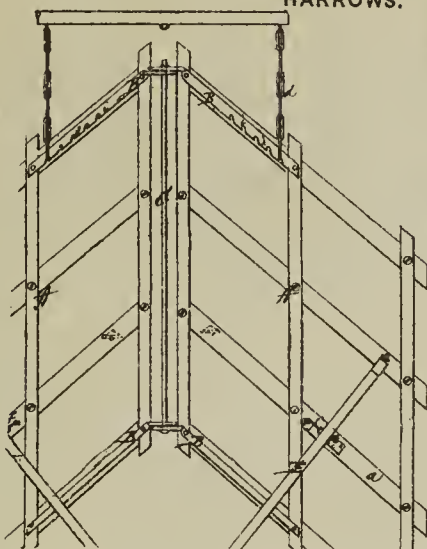
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LOUIS GODDU.
MACHINES FOR NAILING
SHOE-SOLES WITH WIRE.**ROBT. C. GRAY.**
W. B. BRITTINGHAM.
111,838.

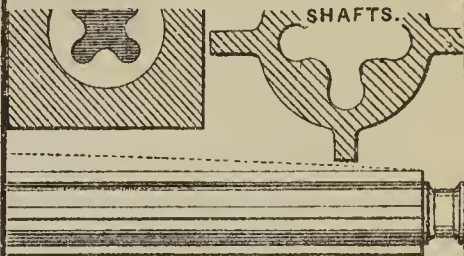
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ATTACHMENTS TO PLOWS FOR
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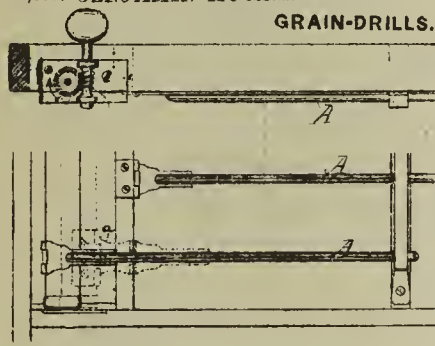
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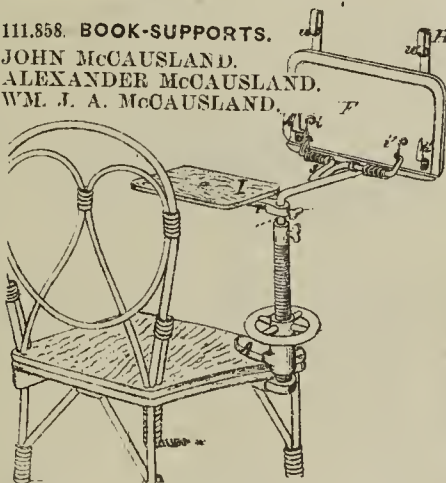
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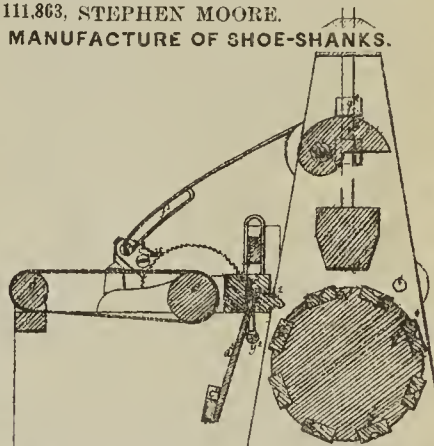
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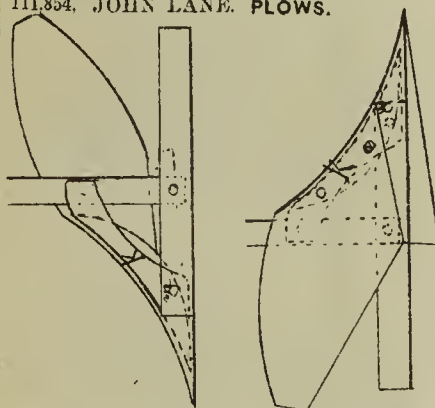
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WM. J. A. McCAUSLAND.



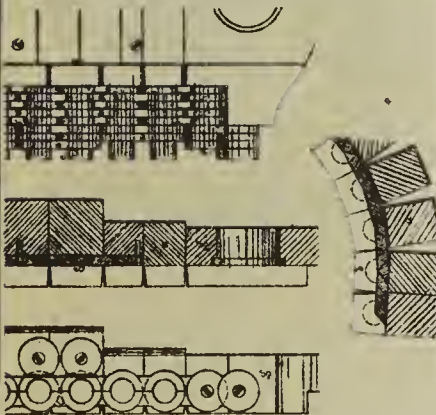
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MANUFACTURE OF SHOE-SHANKS.



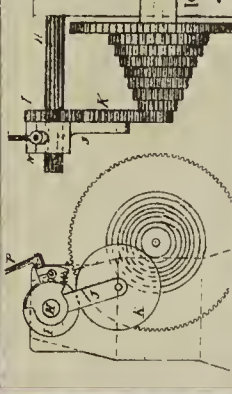
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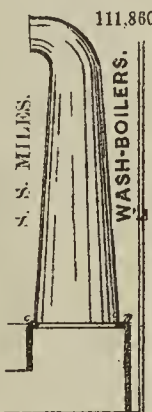
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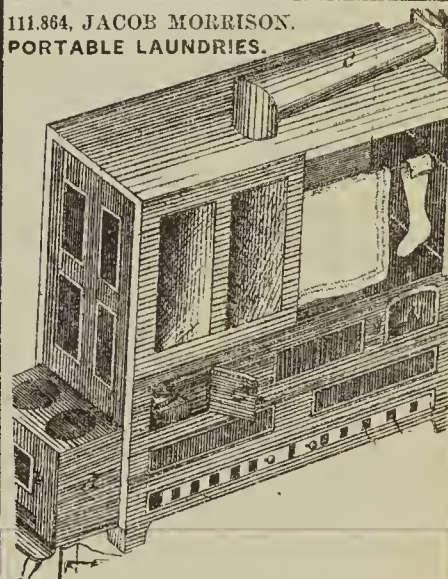
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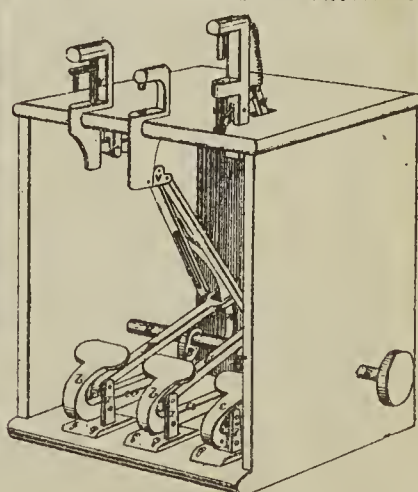
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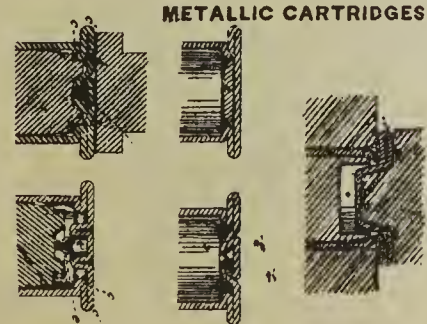
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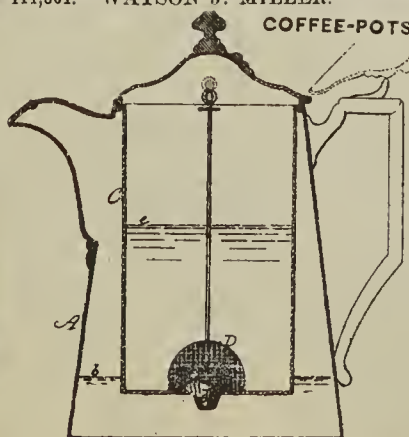
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MECHANISMS FOR OPERATING
PUNCHING AND EYELETING-MACHINES.



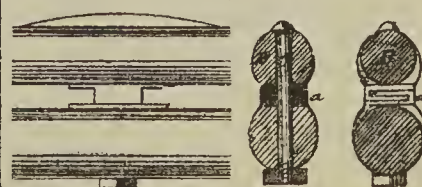
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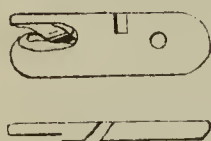
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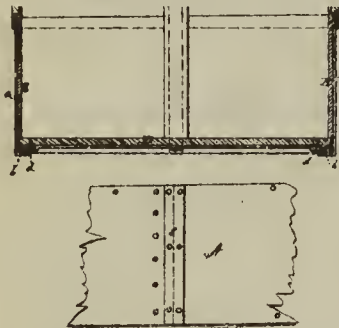
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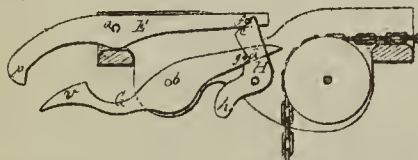
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HENRY G. PORTER. BARRELS. 111,868.



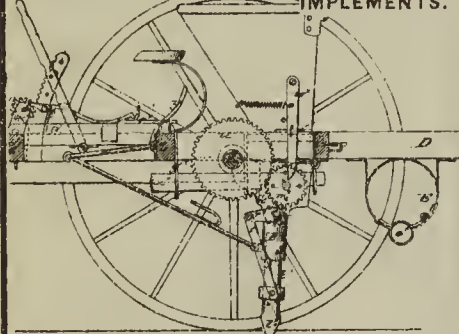
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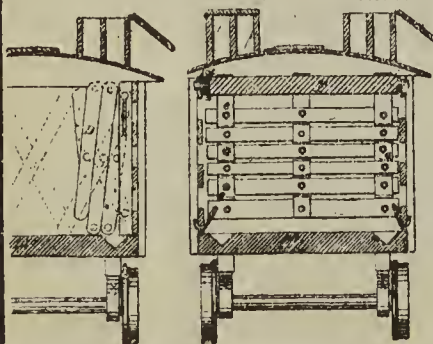
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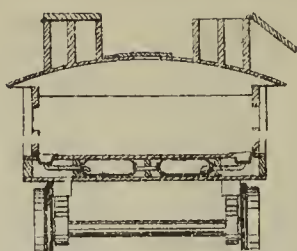
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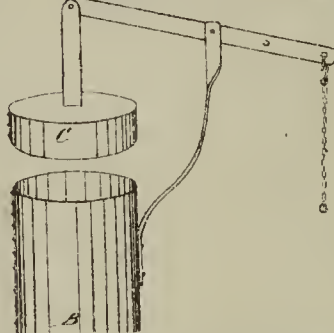
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111,873 AMOS RANK.
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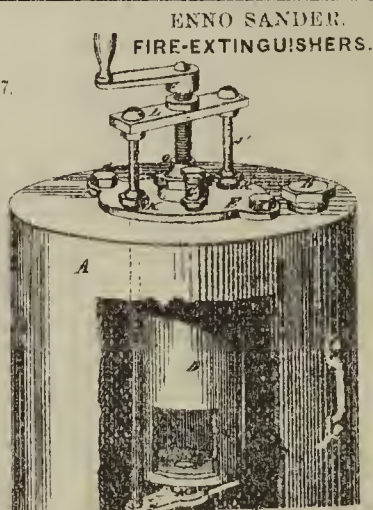
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111,875, EMERY ROOKS.
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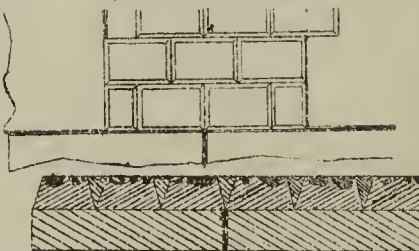
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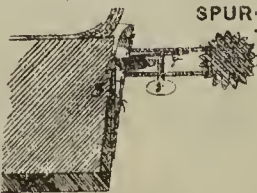
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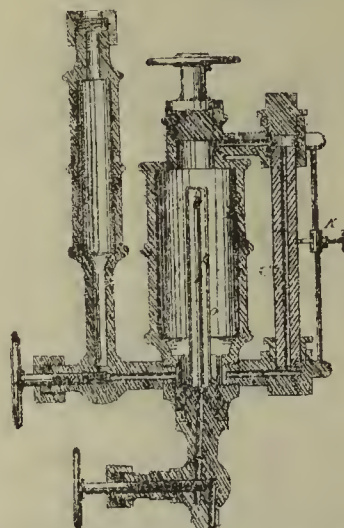
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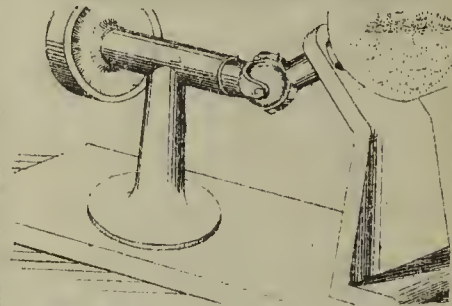
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TO OVERSHOES.



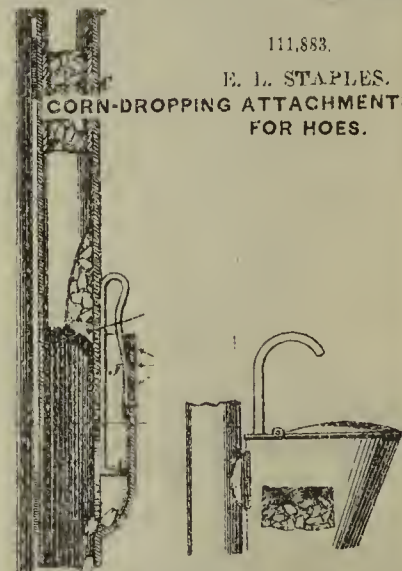
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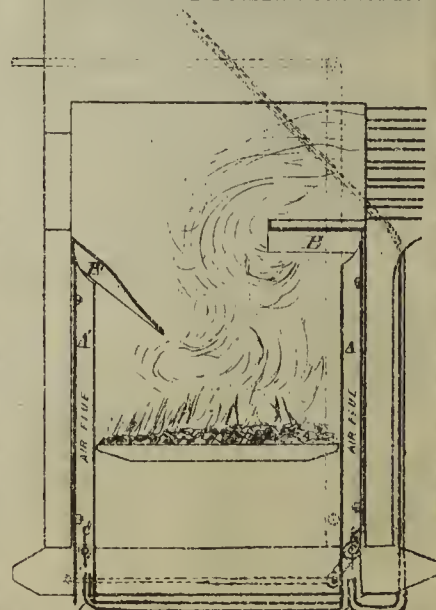
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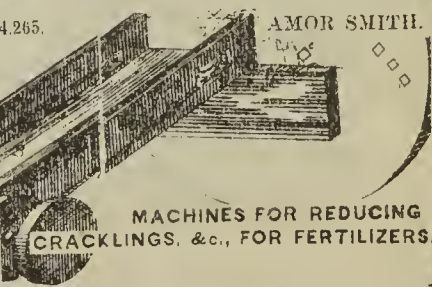
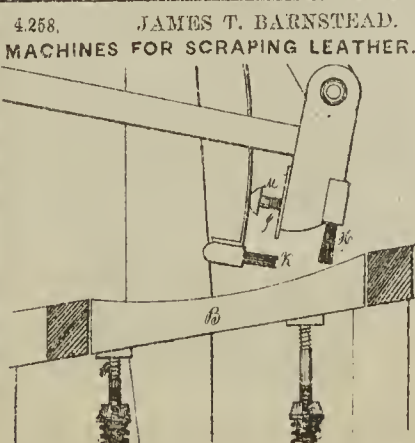
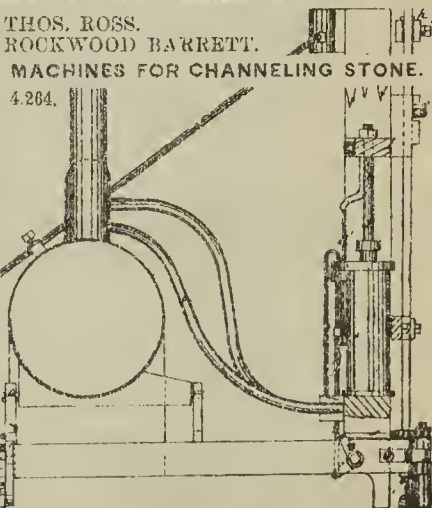
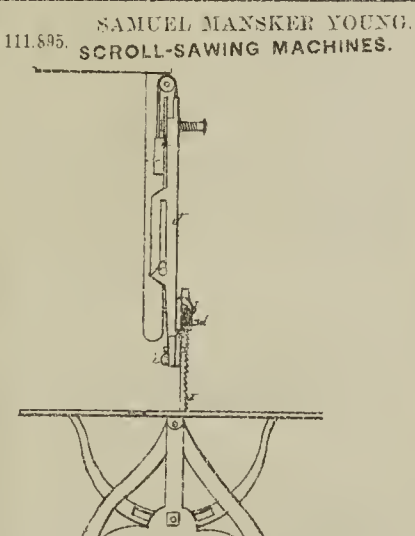
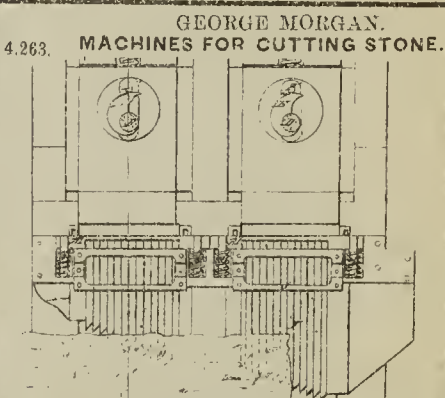
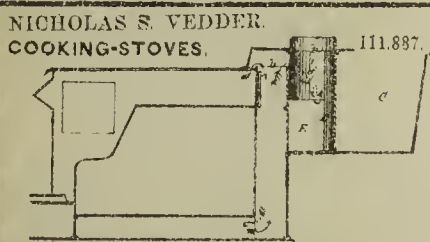
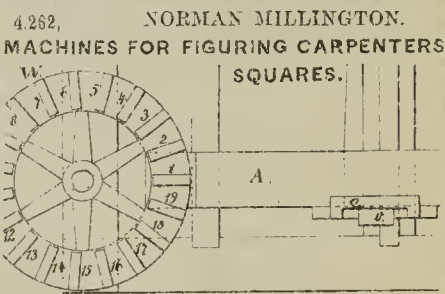
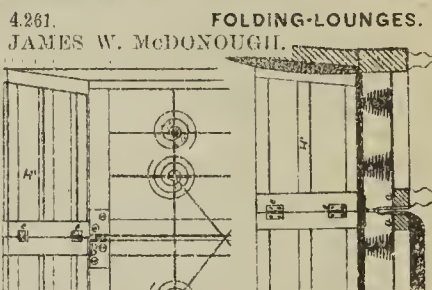
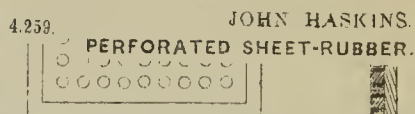
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E. L. STAPLES.
CORN-DROPPING ATTACHMENTS
FOR HOES.



111,884, ANDREW J. STEVENS.
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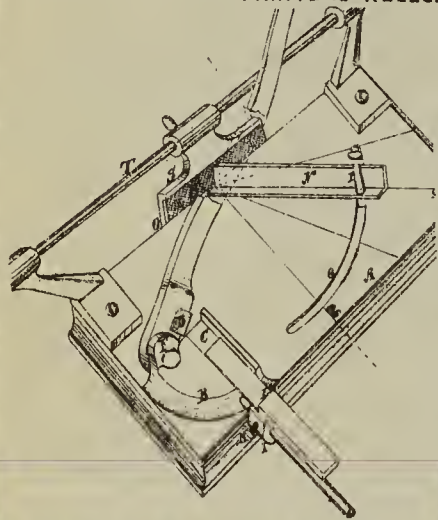


This diagram shows a perspective view of a wire-drawing machine. It features a heavy wooden frame with a large pulley at the top. A wire is shown being drawn through a die, which is a component used to shape the wire. The machine is labeled with various letters: 'A' for the frame, 'B' for the pulley, 'C' for the die, and 'D' for the wire. The drawing is a detailed technical illustration showing the mechanical components and the process of wire drawing.

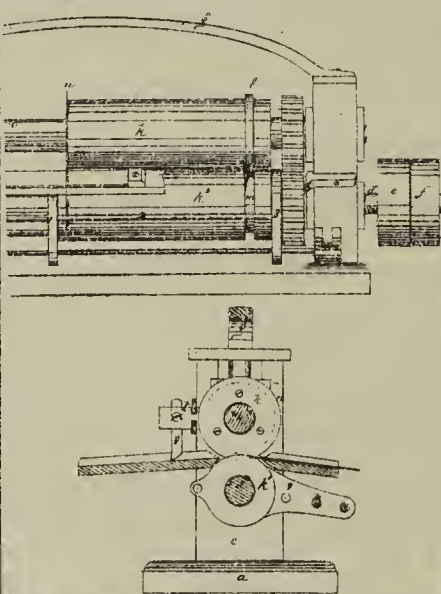


ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
FEB. 21, 1871.

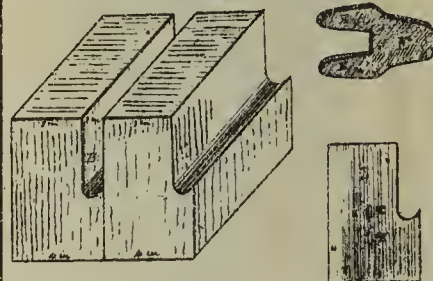
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MACHINES FOR CUTTING AND MITERING
PRINTERS' RULES.



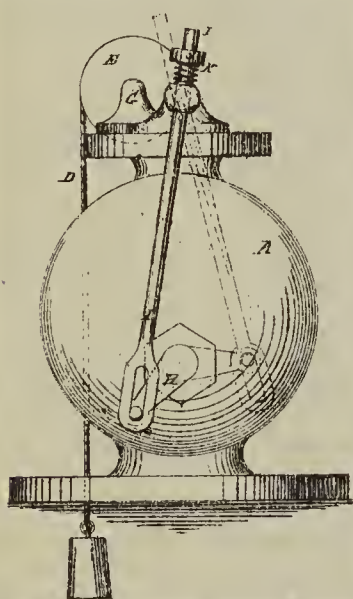
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MACHINES FOR CUTTING LEATHER.



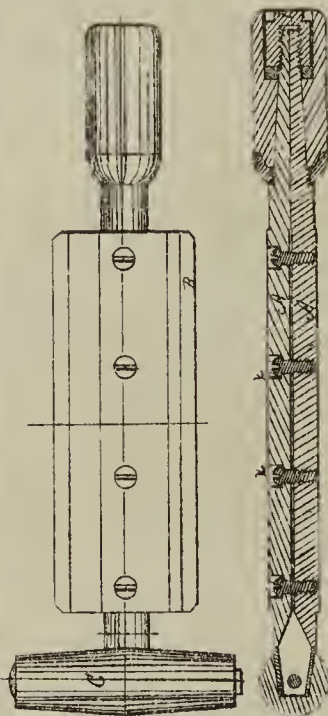
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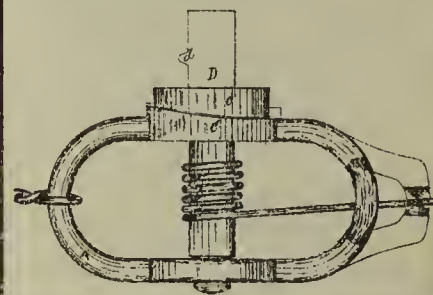
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GOVERNOR-VALVE CONNECTIONS.



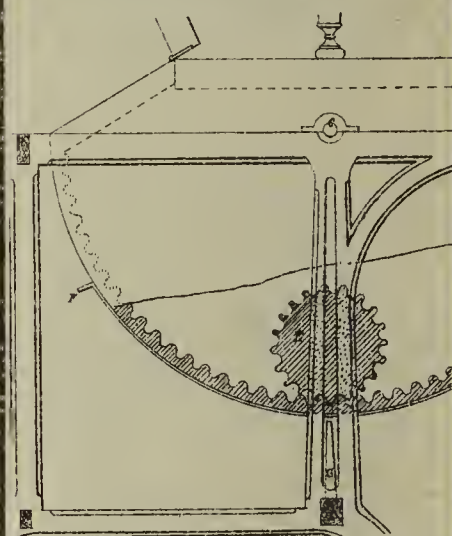
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CURRIERS' TOOLS.



111,905, ALBERT BYINGTON.
WIRE-STRETCHERS.



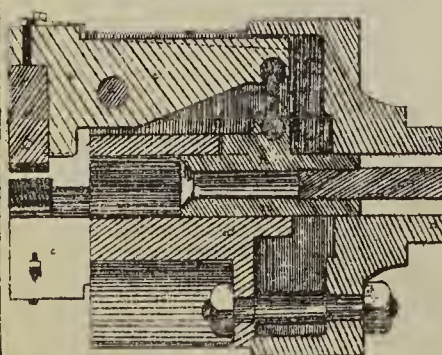
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RICHARD P. MCCOLLUM.
WASHING-MACHINES.



111,898, LEVI ARNOLD. FISH-HOOKS.



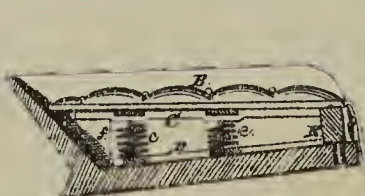
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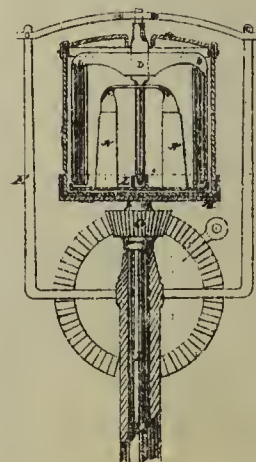
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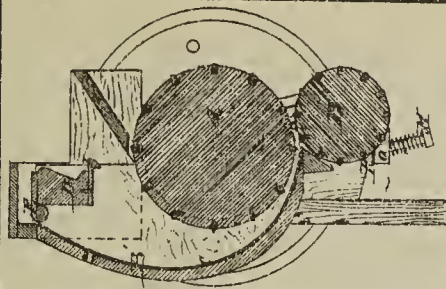
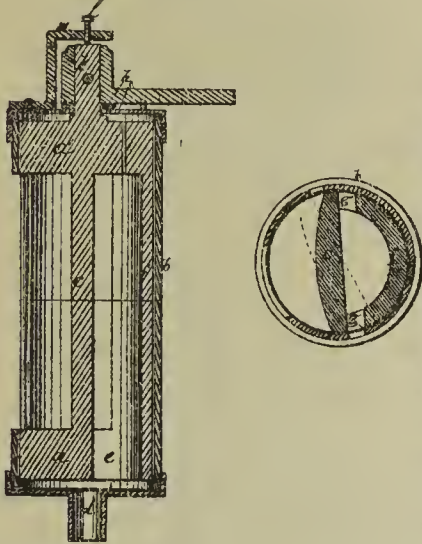
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SPRING CARRIAGE-CUSHIONS.



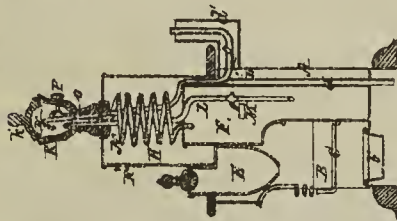
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CHURNS.



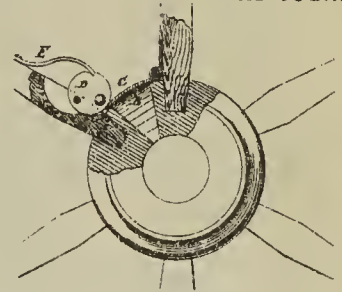
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GEO. W. LASCELL.
VALVES FOR WATER-ENGINES.



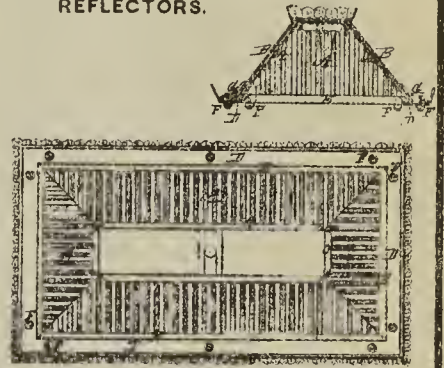
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BASE-BURNING STOVES.



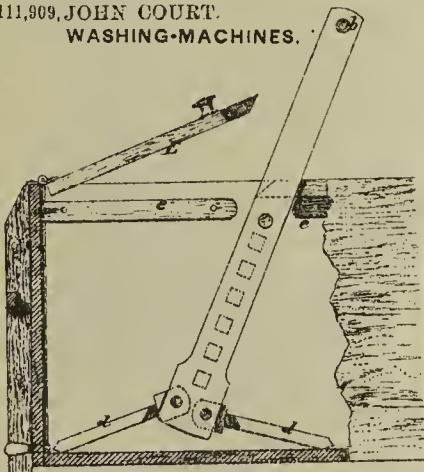
111,918. EDWIN DOUDEN.
LUBRICATORS FOR WHEELS, PULLEYS,
AND JOURNALS.



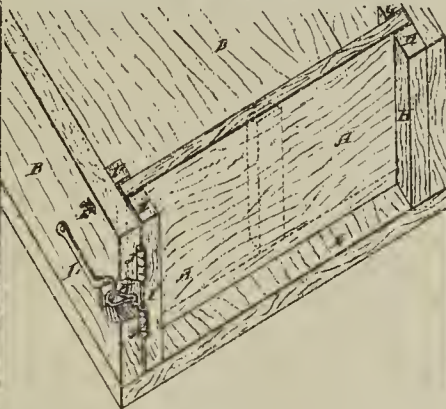
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REFLECTORS.



111,909. JOHN COURT.
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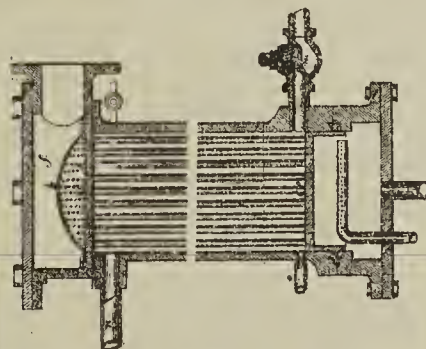


111,915. GEORGE W. DILLER.
FASTENING END-BOARDS IN WAGONS.

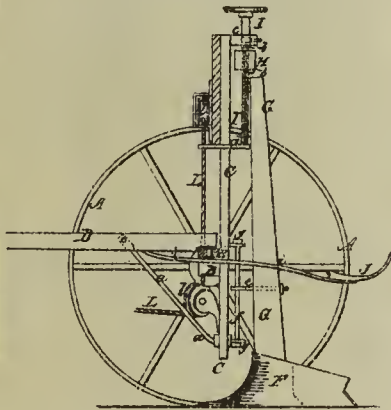


111,910. JOHN J. CRAVEN.
TREATING BLOOD FOR THE
MANUFACTURE OF FERTILIZERS AND
AMMONIACAL SALTS.

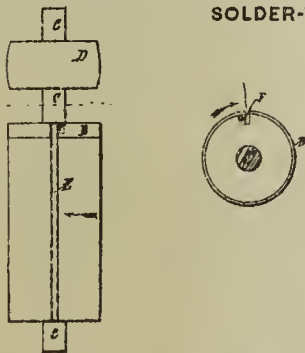
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JOHN C. HODGINS.
CONDENSERS AND FEED-WATER
HEATERS FOR STEAM-ENGINES.



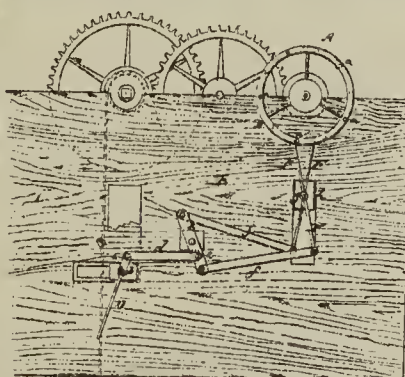
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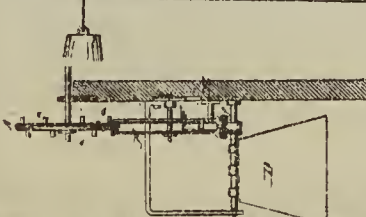
111,912. LEWIS CUTTING.
MANDRELS FOR GAUGING AND CUTTING
SOLDER-WIRE.



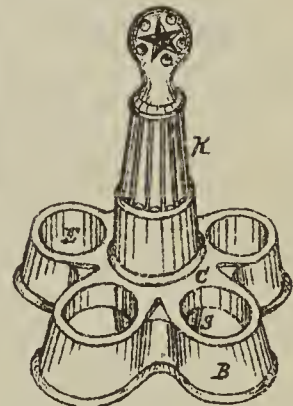
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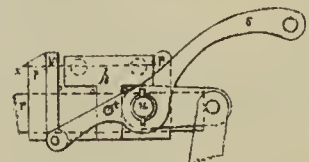
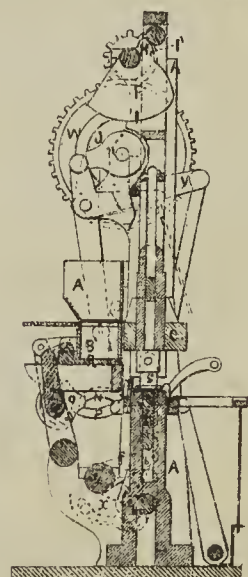
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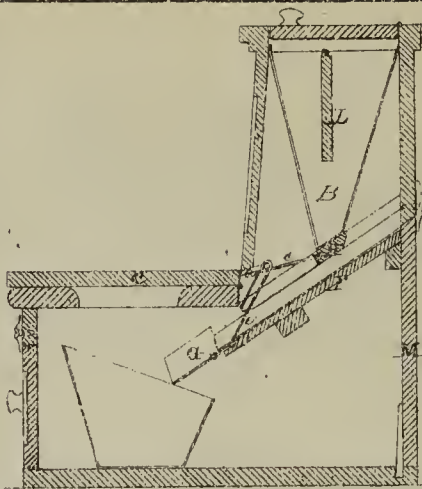
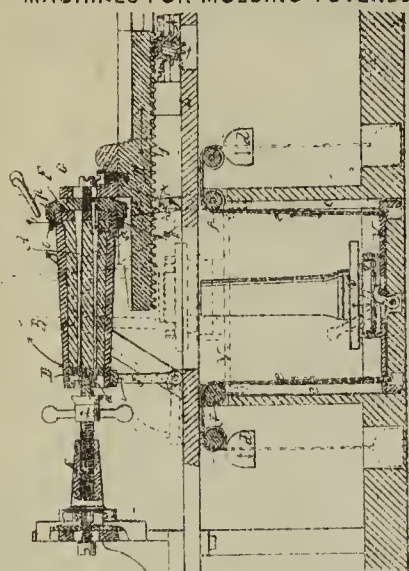
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CRUET-STANDS.



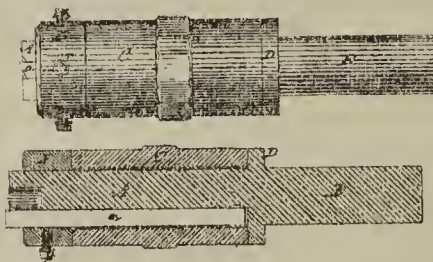
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MACHINES FOR FORMING
ARTIFICIAL STONE.



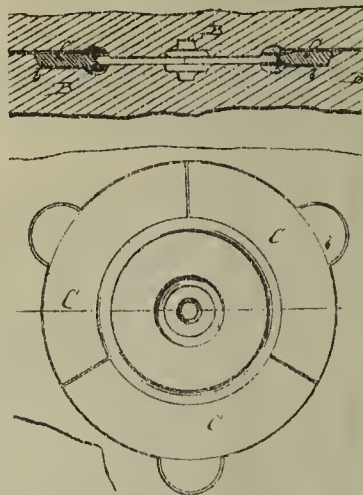
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MACHINES FOR MOLDING TUYERES.



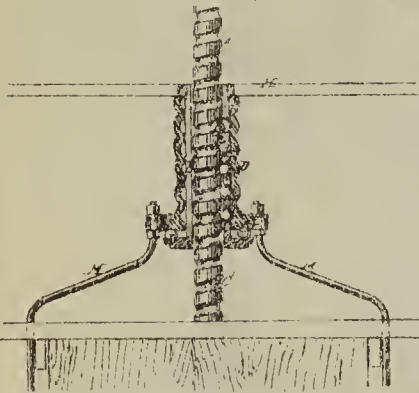
111,927. LEVI GRISWOLD. MILLING-TOOLS.



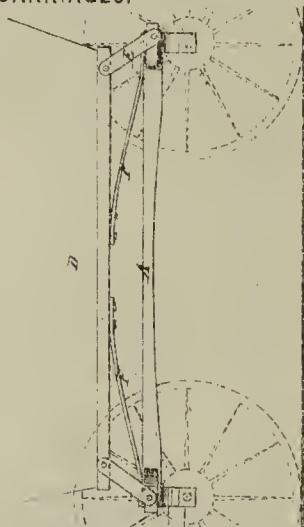
111,931. JOHN HERALD.
PATTERNS FOR CASTING
GROOVED ROLLERS.



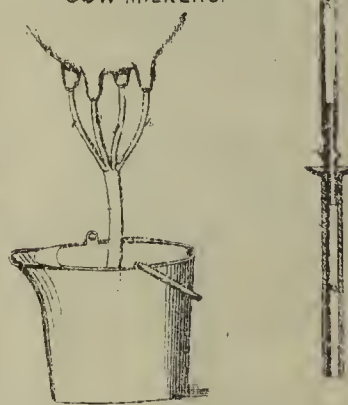
111,923. CHRISTOPHER D. FINDLAY.
DAVID D. CRAIG.
PRESSES FOR HAY, COTTON, &c.



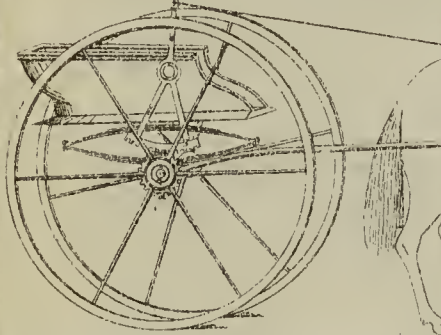
111,928. CHAUNCEY HOLMES GUARD.
CARRIAGES.



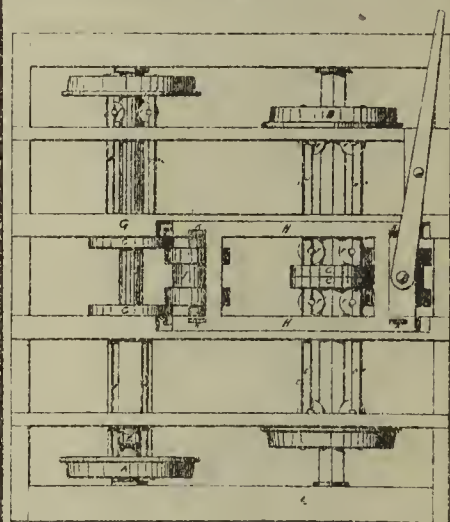
111,932. ELISHA A. HEWITT.
COW-MILKERS.



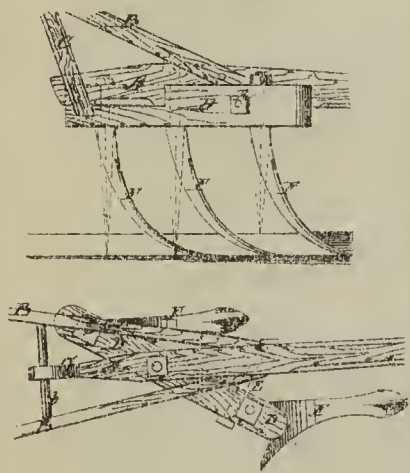
111,924. GEORGE W. GOODWYN.
HORSE-HOLDER ATTACHMENTS TO
CARRIAGES.



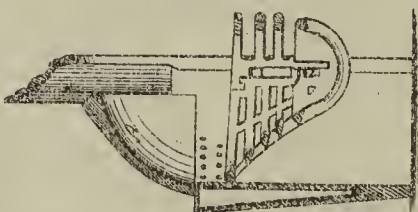
111,933. EDWARD HIPKINS.
SELF-ADJUSTING CAR-TRUCKS.



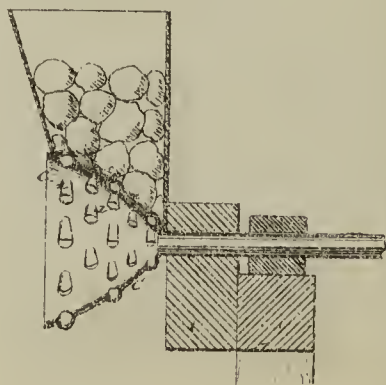
111,925. WM. GOWEN.
CULTIVATOR-PLOWS.



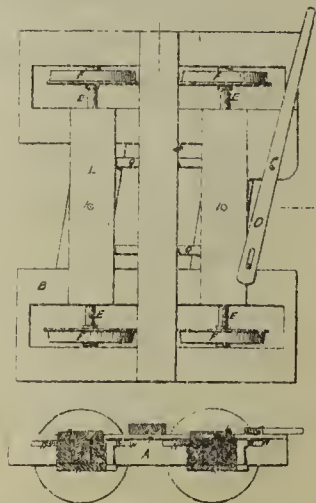
111,929. JOSEPH HACKETT.
FIRE-PLACES.



111,930. GEORGE B. HAMLIN.
MAKING CIDER.

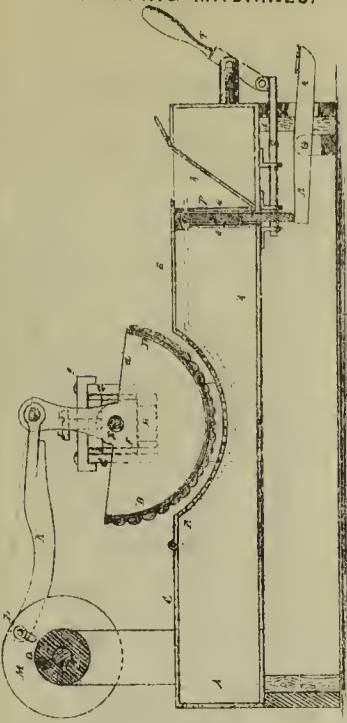


111,934. EDWARD HIPKINS.
CAR-TRUCKS.

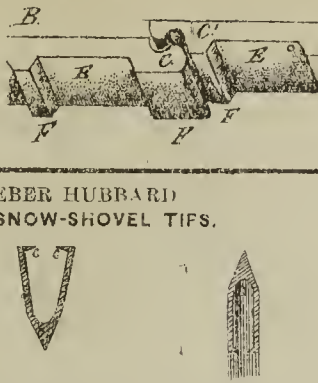


111,926. EDMUND GRIFFITH.
EARTH-CLOSETS.

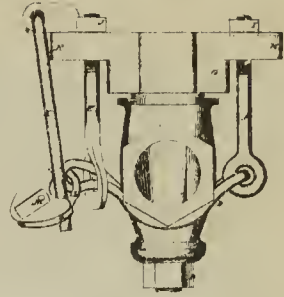
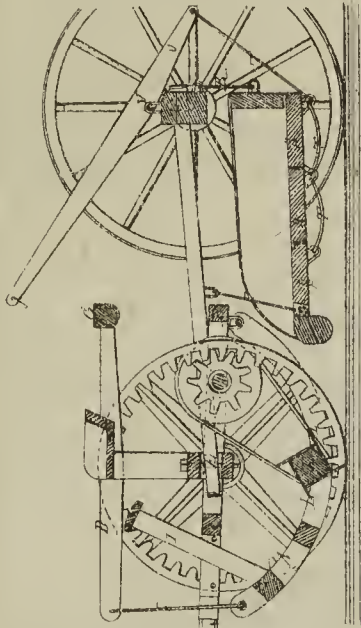
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HAT-SIZING MACHINES.



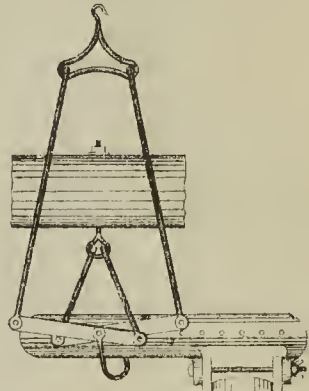
111,939. EBER HUBBARD
SNOW-SHOVEL TIPS.



111,940. JOSEPH M. HUGHES.
ANDREW J. MAPES.
EXCAVATING-MACHINES.

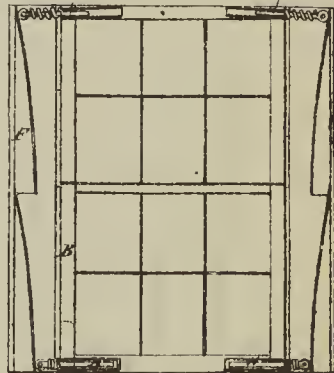


111,944. OWEN W. JONES.
DRAFT-DEVICES FOR THREE HORSES.

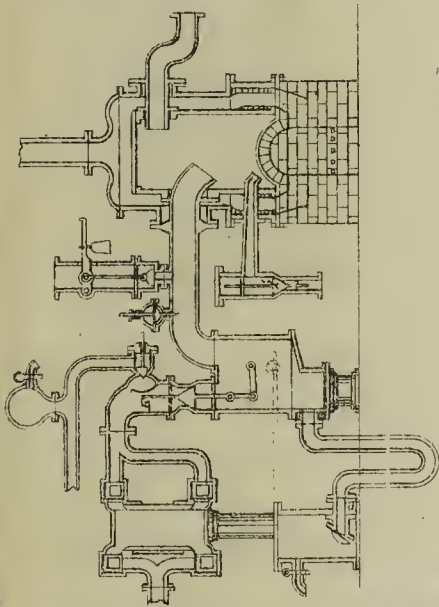


111,945. MICHAEL J. A. KEANE.
COMPOUNDS FOR PLATING
AND POLISHING.

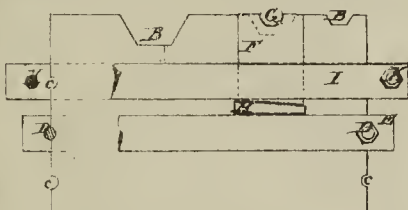
111,946. WM. HASKELL KING.
JARED ROWLAND
SASH-HOLDERS.



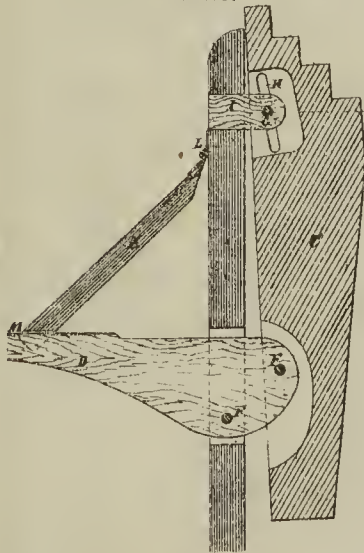
111,937. JOHN HOUPPT. STEAM-ENGINES.



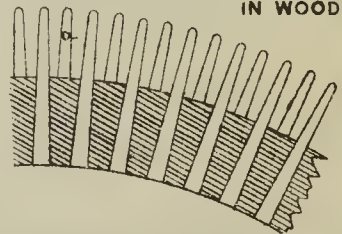
111,941. CHARLES E. HUNTER.
MACHINES FOR STRAIGHTENING BOLTS.



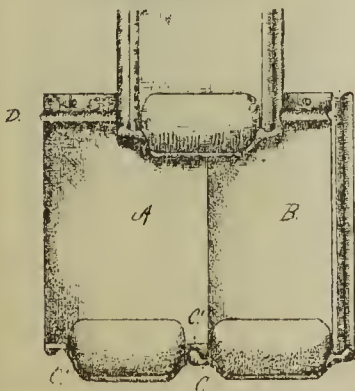
111,942. BENJAMIN F. JOHNSON.
LIFTING-JACKS.



111,947. RICHARD KITSON.
SECURING STEEL OR IRON PINS
IN WOOD.

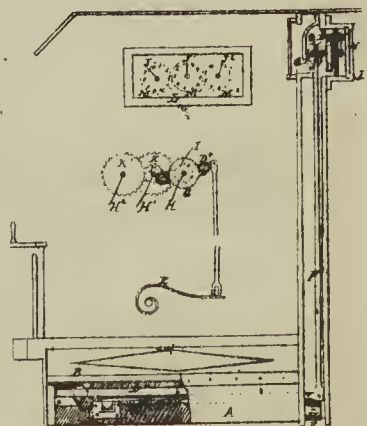


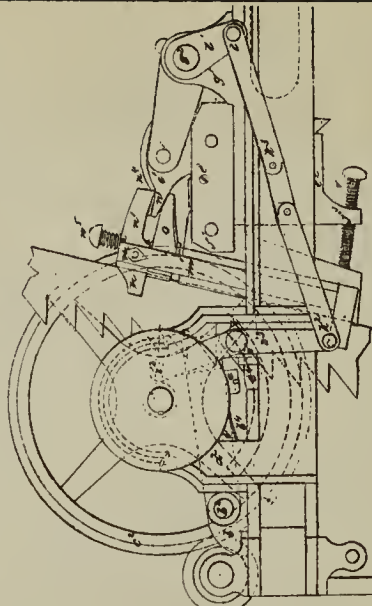
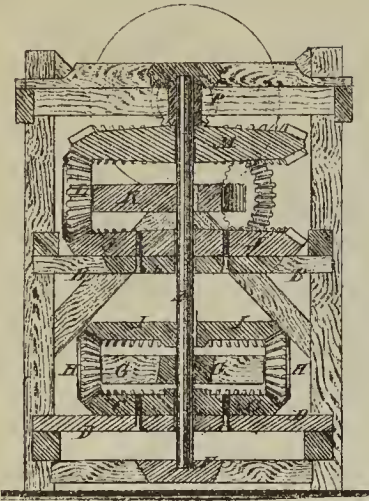
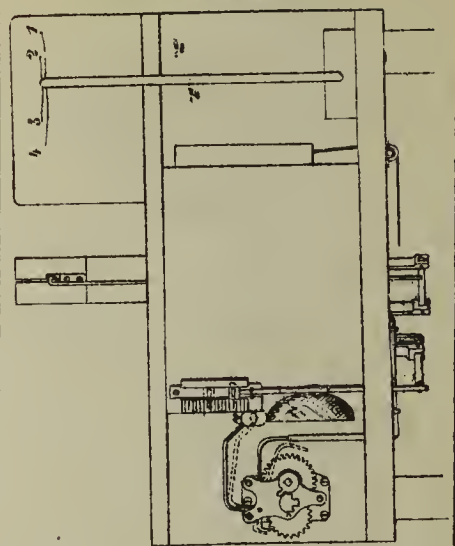
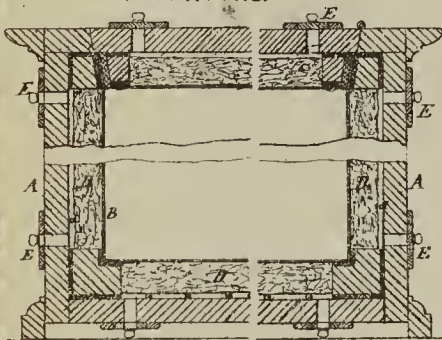
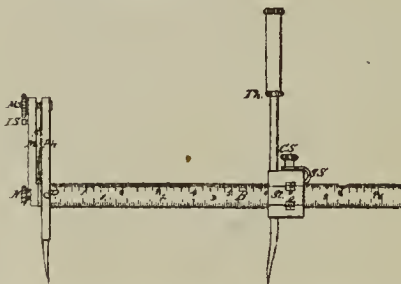
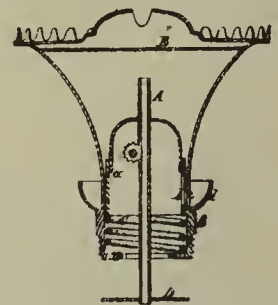
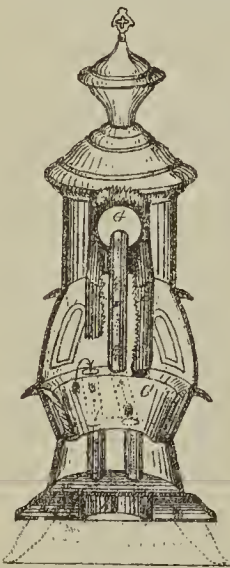
111,938. CHARLES HOWARD.
ROOFING-TILES.



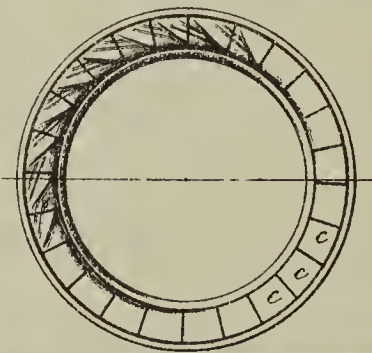
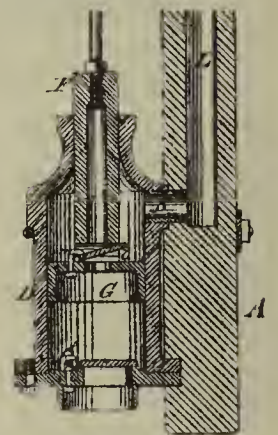
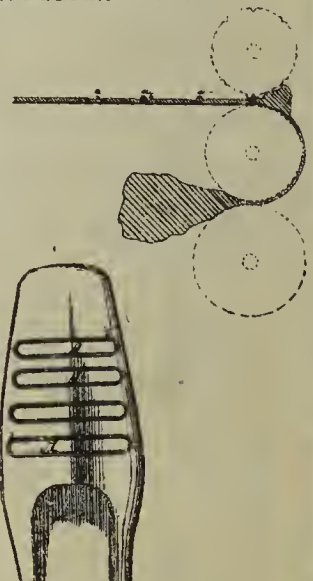
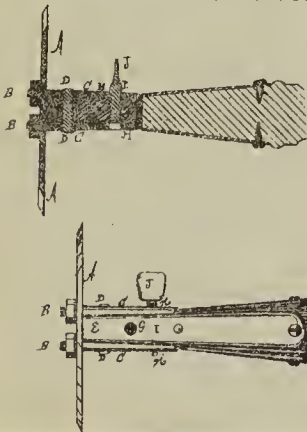
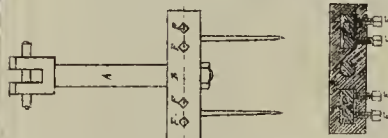
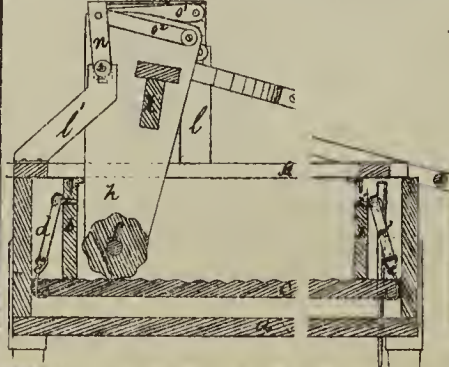
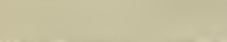
111,943. J. EVANS JONES.
LOCK-STOP COCKS.

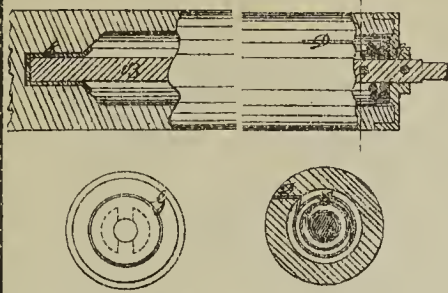
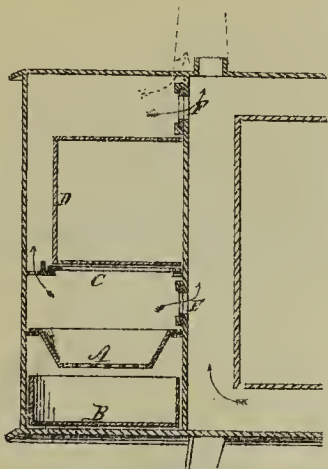
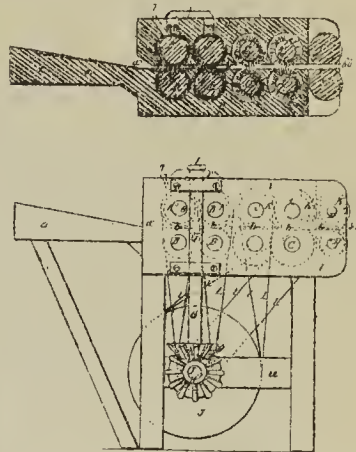
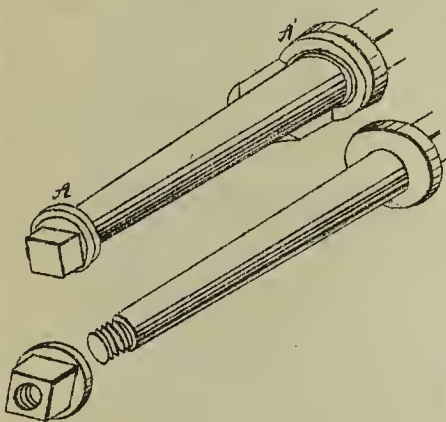
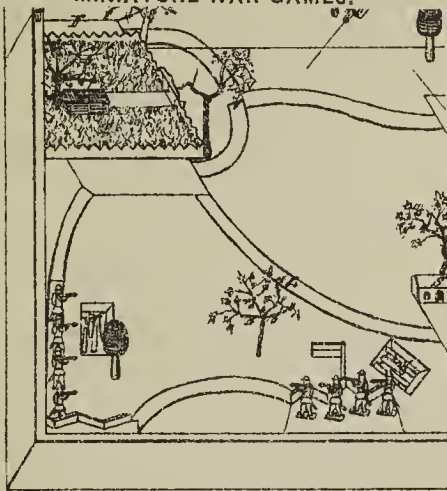
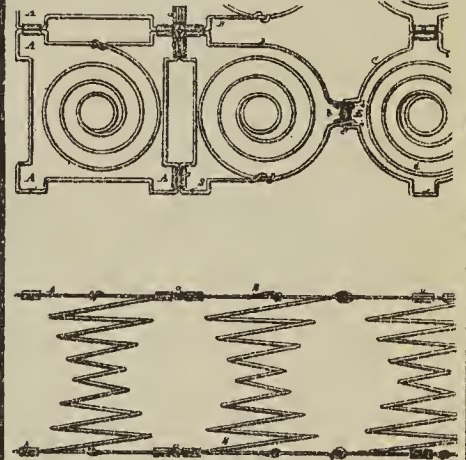
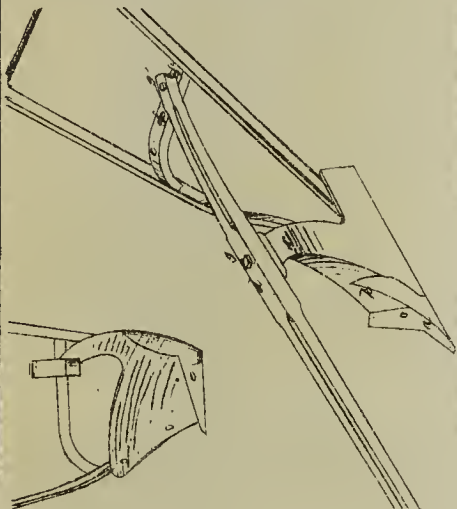
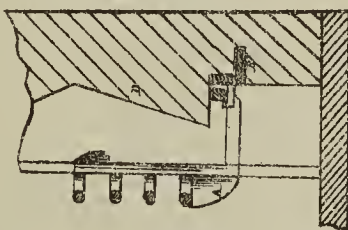
111,948. JOHN KURZ.
PASSENGER-REGISTERS FOR CARS.



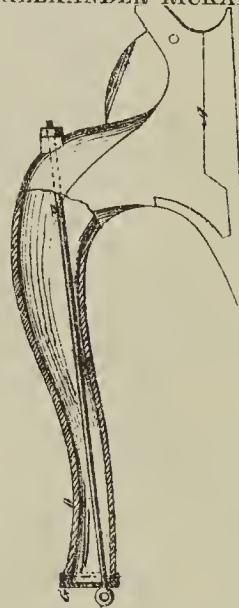
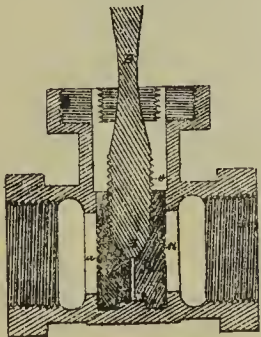
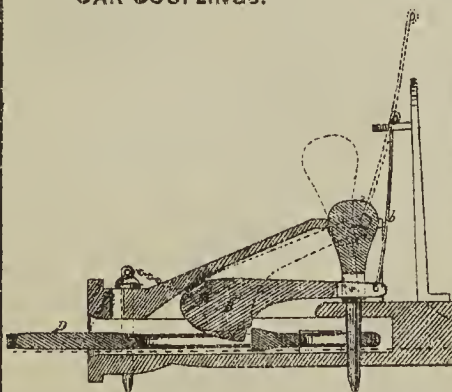
111,949, DANIEL L. LAMON.
HORSE-POWERS.111,959, JOHN McDOWELL.
BURGLAR-ALARMS.111,950, JNO. H. LESTER.
REFRIGERATORS.111,954, JOSIAH LYMAN.
BEAM-COMPASSES.111,960, WILLIAM C. MCGILL.
LAMP-BURNERS.111,951, DENNIS G. LITTLEFIELD.
BASE-BURNING STOVES.111,955, JOSEPH MARSHALL.
BATHING-BRUSHES.

111,956, JOHN W. MASURY, MILLSTONES.

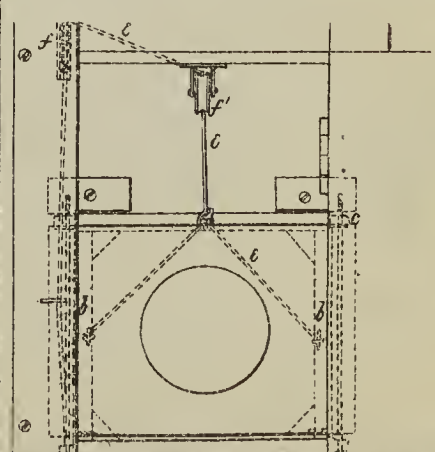
111,961, CHARLES L. MERRILL.
PUMPS.111,962, JOHN EVANS.
C. MEYER.
INDIA-RUBBER SHOES.111,952, EDWARD C. LOCKE.
METHODS OF ATTACHING
HANDLES TO SCRAPERS.111,957, JOHN MATHEIS.
LEATHER-PUNCHING MACHINES.111,958, ERWIN W. MAXSON.
WASHING-MACHINES.111,953, JOHN LOUGH.
SAW-TOOTH SWAGES.

111,963, NATHAN S. MINNISS.
COOKING-STOVE ATTACHMENTS.111,968, JAMES EZRA POLLARD.
FELTED FABRICS.111,973, ISRAEL L. G. RICE.
MACHINES FOR BRONZING.111,964, BENJAMIN MORTON.
ANTI-RATTLING WASHERS.111,969, CASIMIRO PORTULLO.
MINIATURE WAR GAMES.111,974, CHARLES RICH.
SPRING BED-BOTTOMS, SEATS, &c.111,965, JAMES OLIVER.
PLOWS.111,970, WM. PRATT.
LARD AND BUTTER BOXES.111,971, WILLIAM PULSFORT.
FIRE-PLACE GRATES.

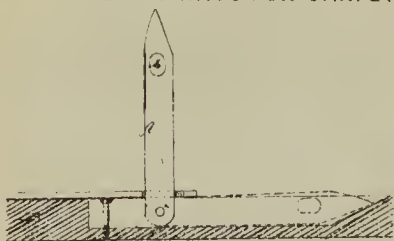
111,975, ALEXANDER RICKARD PLOWS.

111,966, SAMUEL J. PEET.
DANIEL SAWYER.
DEVICES FOR GRINDING THE FLAT
FACES OF VALVE-SEATS.111,972, SAMUEL H. REED.
GEORGE A. REED.
CAR-COUPPLINGS.

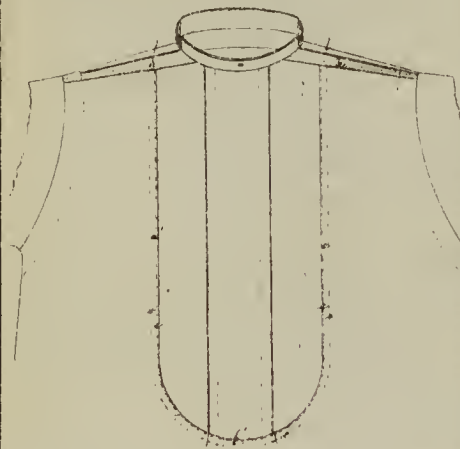
111,976, FRANK RIEDEL PRIVIES.

111,967, P. W. PHILLIPS.
CURTAIN-FIXTURES.

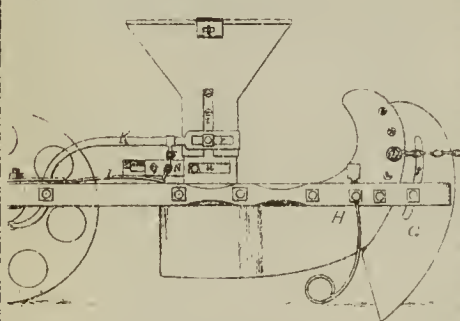
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IMPLEMENTS FOR SLITTING AND
LOOPING RAGS FOR CARPETS.



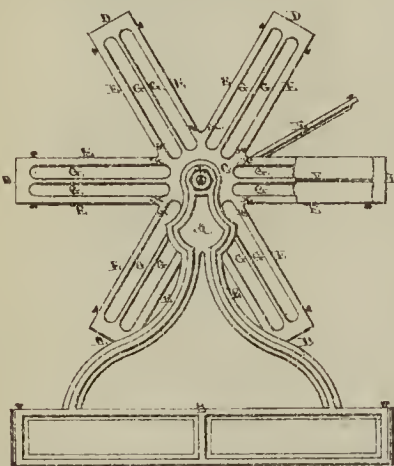
111,978 ADOLPHE SALMON. SHIRTS.



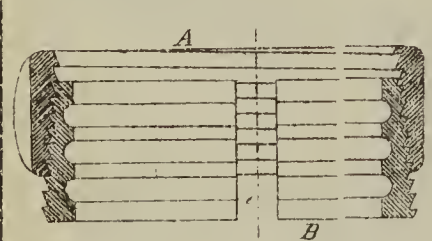
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CORN-PLANTERS.



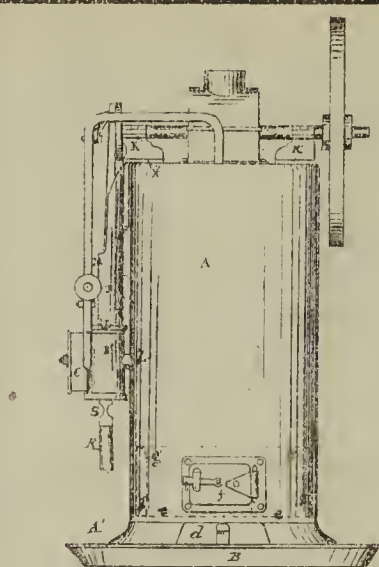
111,980, WILLIAM J. SCOTT.
REVOLVING SHOW-CASES.



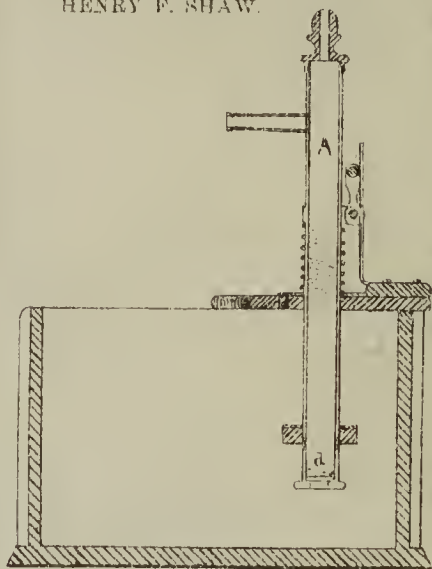
111,981, GEORGE SEWELL.
HOSE-RINGS.



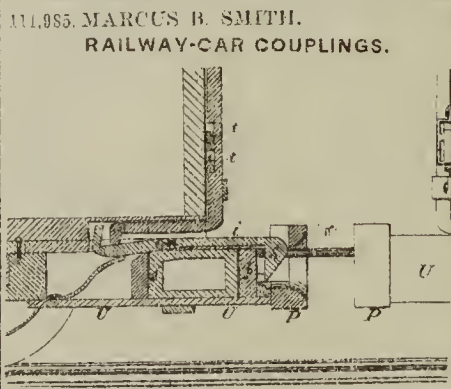
111,982, JOEL SHARP.
JOSEPH W. THOMPSON
STEAM-ENGINES.



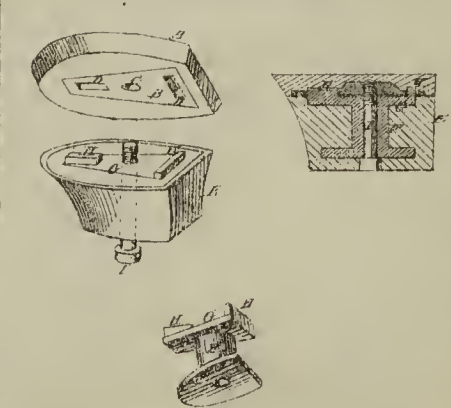
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HENRY F. SHAW.



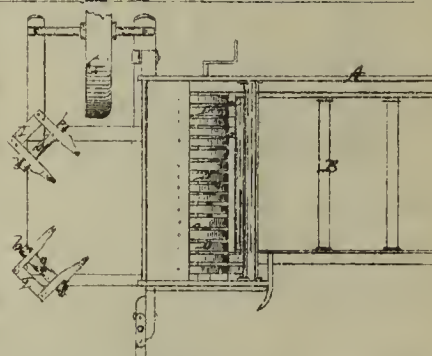
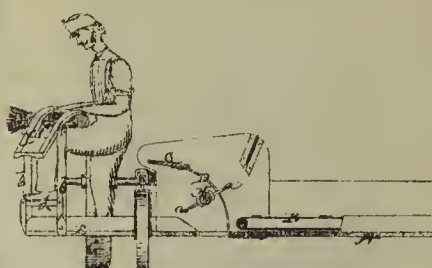
111,984 BENJ. F. SMITH.
NON-CONDUCTING MATERIALS FOR
COVERING STEAM-BOILERS, &c.



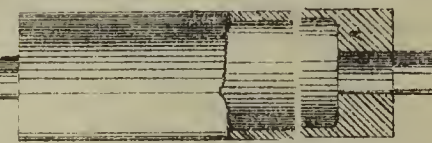
111,985, MARCUS B. SMITH.
RAILWAY-CAR COUPLINGS.



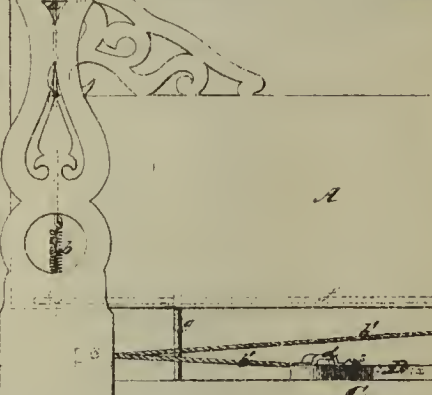
111,987, GEO. H. SPAULDING.
HARVESTERS.



111,988, JOSEPH M. STONE.
CONSTRUCTION OF CYLINDERS FOR
CARDING AND OTHER MACHINES.



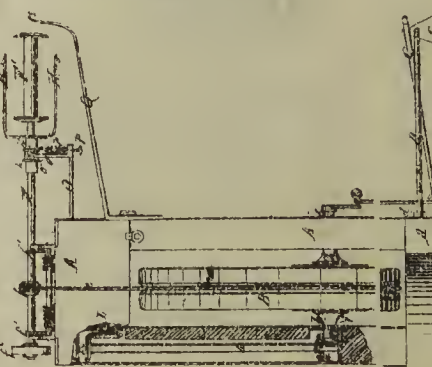
111,989, WILLIAM J. STOWELL.
CRADLES FOR CHILDREN.



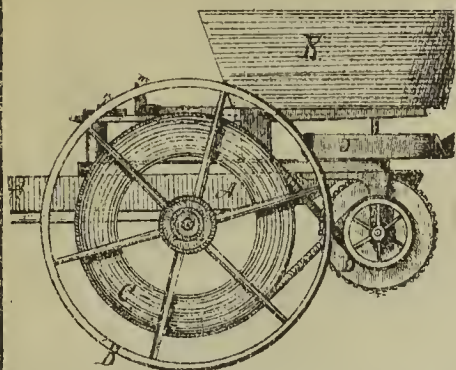
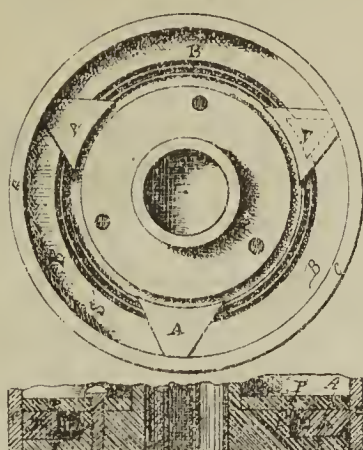
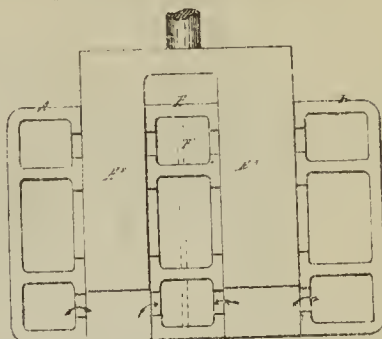
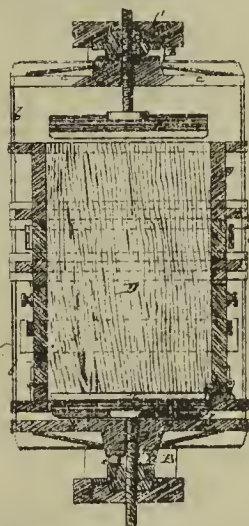
111,990, OWEN W. TOWNSEND.
COMBINED AUGERS AND REAMERS.



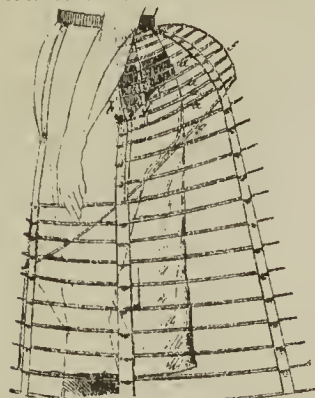
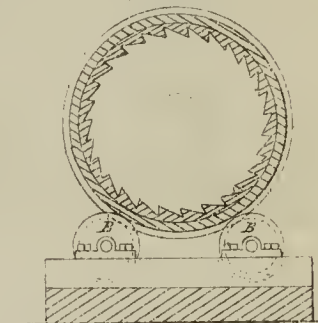
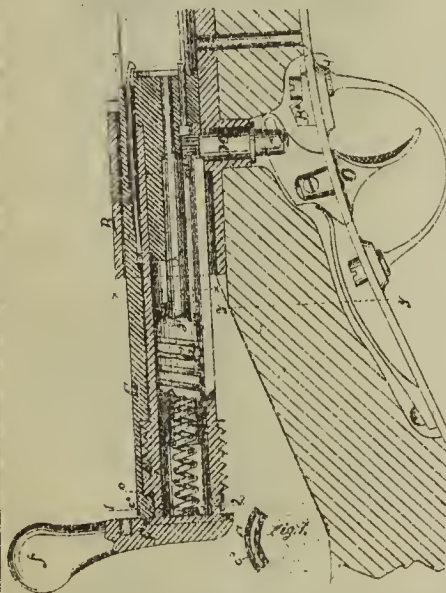
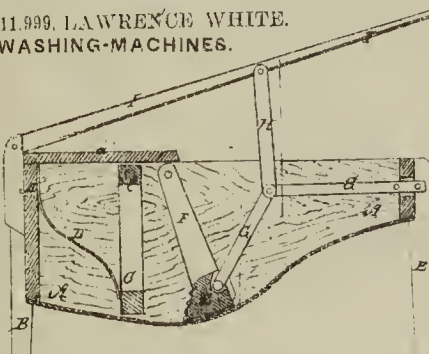
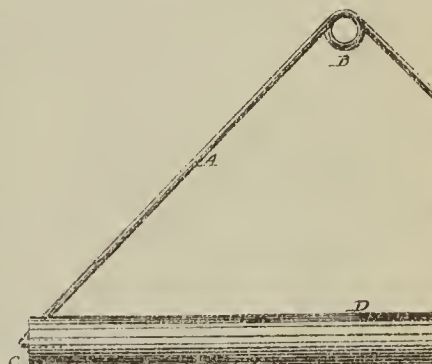
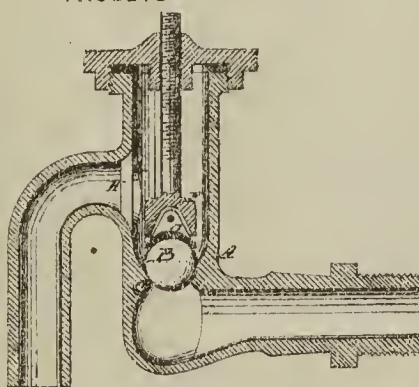
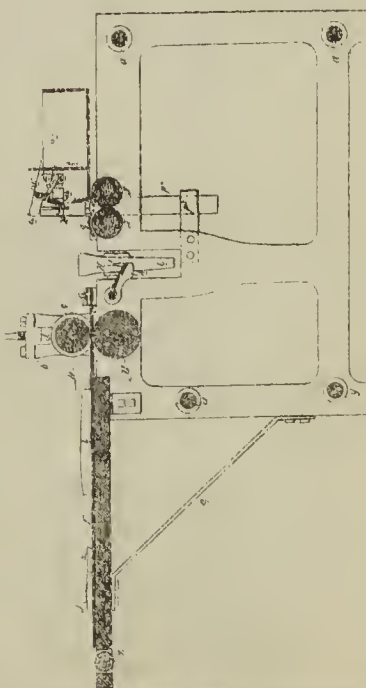
111,991, FRANZ VOEGTLI.
SPINNING-WHEELS.



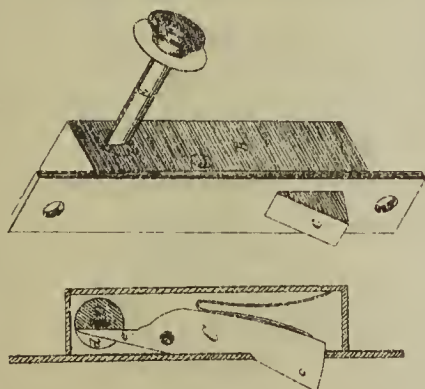
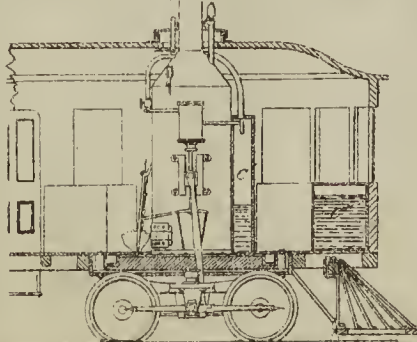
111,992. TEUNIS VREELAND. SEEDERS.

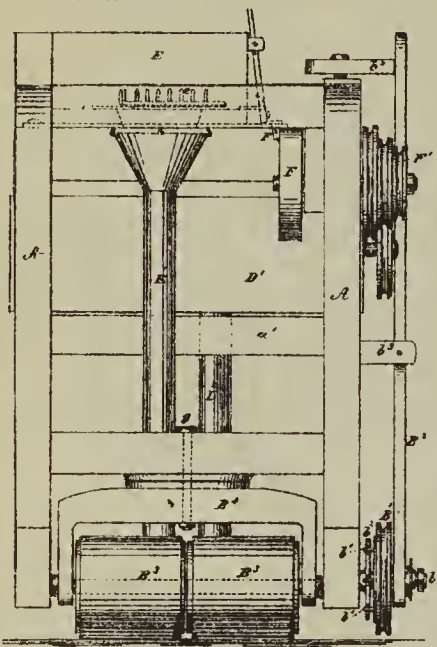
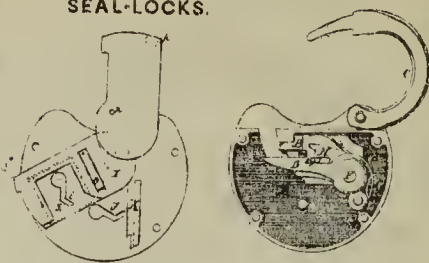
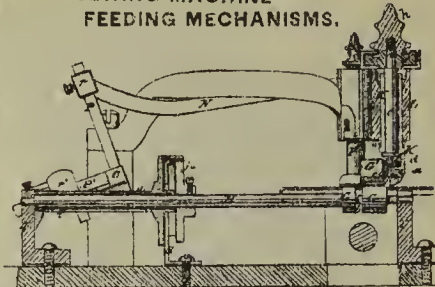
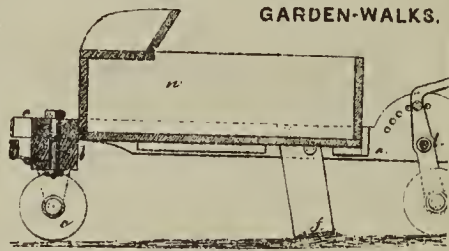
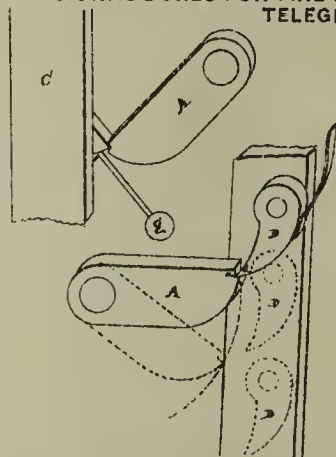
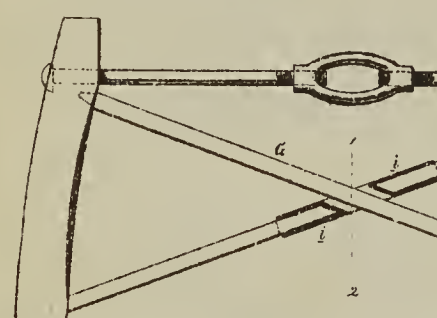
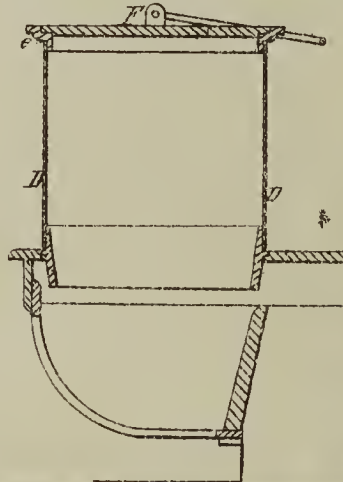
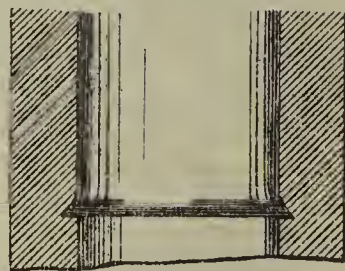
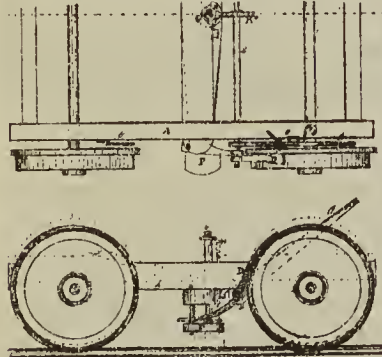
111,997. GEORGE WELLS.
PISTON-PACKING.112,002. JOHN C. WOODHEAD.
SLIDE-VALVES.111,993. EDWIN R. WALLACE
BALING-PRESSES.

111,998. JAS. O. WEST. HOOP-SKIRTS.

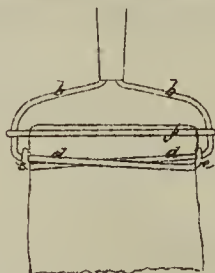
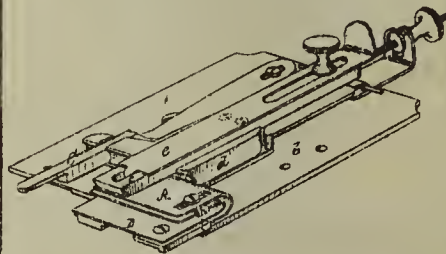
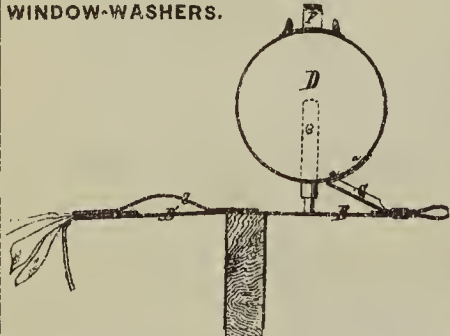
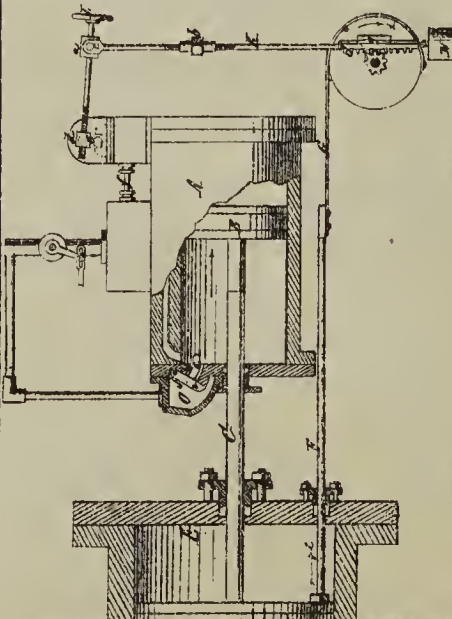
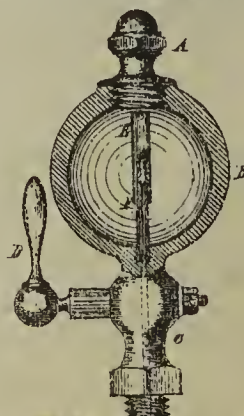
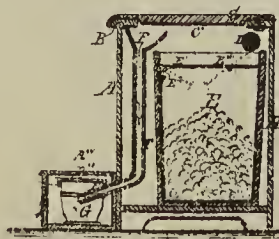
112,003. JOHN F. ALLEN.
REFINING IRON, REDUCING ORES, &c.111,994. W. G. WARD.
BREECH-LOADING FIRE-ARMS.111,999. LAWRENCE WHITE.
WASHING-MACHINES.112,004. HENRY ALSOP.
TOWEL-HOLDERS.112,000. WILLIAM CROSBY WISE.
JOHN ASHMAN.
FAUCETS112,005. PETER EDWARD ARMSTRONG.
PAPER-BAG MACHINES.

111,995. WM. M. WARREN. SASH-HOLDERS.

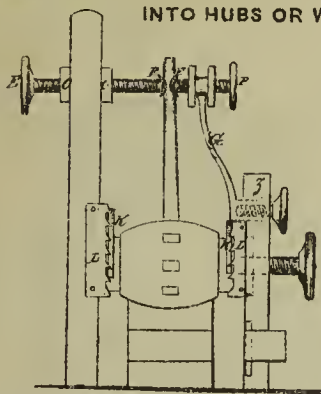
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NUT-BLANKS.112,001. JOSEPH P. WOODBURY.
CONDENSING DOUBLE-END
LOCOMOTIVE-ENGINES.

112,006. JAMES M. AITCHISON.
CORN-PLANTERS.112,011. WILSON BOHANNAN.
SEAL-LOCKS.112,016. MARY P. CARPENTER.
SEWING-MACHINE
FEEDING MECHANISMS.112,012. PETER BOICE.
MACHINES FOR CLEANING
GARDEN-WALKS.112,017. STEPHEN CHESTER.
SIGNAL-BOXES FOR FIRE-ALARM
TELEGRAPHS.112,007. JOHN G. BAKER.
BUCK-SAW FRAMES.112,013. LEWIS BRIDGE.
DETACHABLE MAGAZINES FOR
COOKING-STOVES AND RANGES.112,013. NATHAN T. COFFIN.
PUMPS.112,008. WILLIAM T. BEEKMAN.
HAND-CARS.

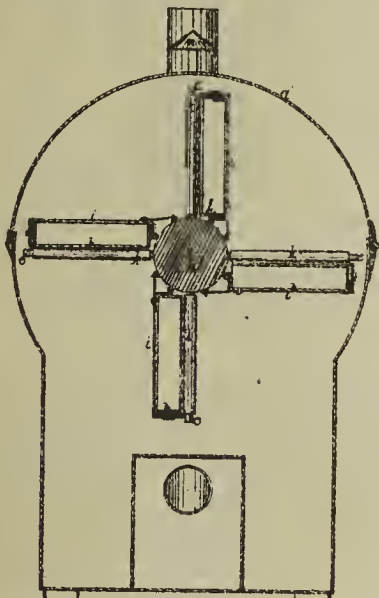
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112,019. JACOB L. COLES.
BINDERS FOR SEWING-MACHINES.112,009. CHARLES EDWARD BELL.
WINDOW-WASHERS.112,015. A. S. CAMERON.
VALVE-GEARS FOR
DIRECT-ACTING ENGINES.112,020. HENRY ^{his} C. DE LAND.
^{mark.}
LUBRICATORS FOR STEAM-CHESTS.112,010. PETTER BERGQVIST.
PORTABLE WATER-CLOSETS.

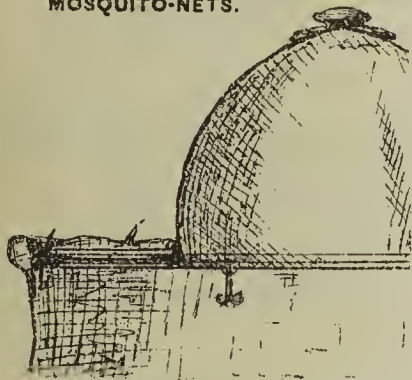
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IMPLEMENTS FOR DRIVING SPOKES
INTO HUBS OR WHEELS.



112,022. BENJAMIN F. ELLS.
FRUIT-DRIERS.



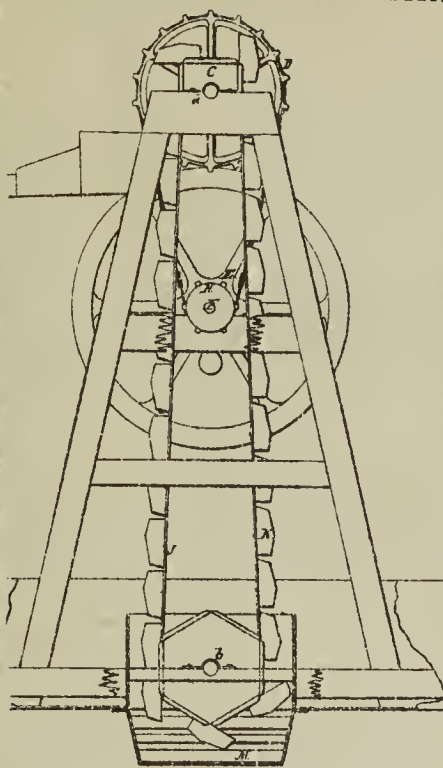
112,023. J. J. ALEXANDER ERGENZINGER.
MOSQUITO-NETS.



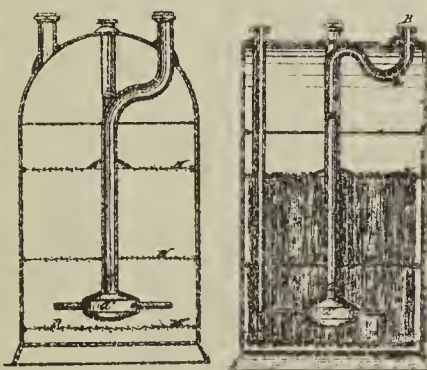
112,024. SARAH C. EWING.
PATTERNS FOR APPLYING
MEASUREMENTS AND LAYING OUT
GARMENTS.



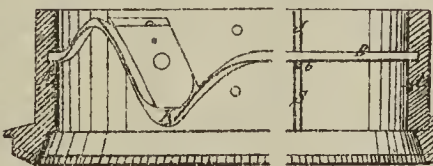
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FLOATING WATER-ELEVATING WHEELS.



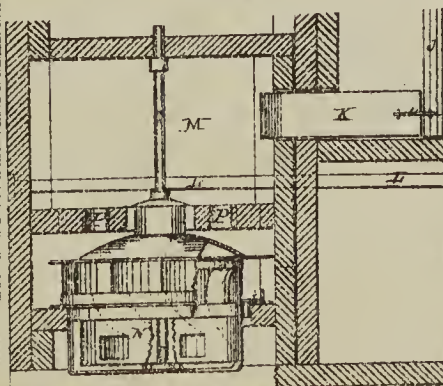
112,026. FISHER AMES FISHER.
APPARATUS FOR CARBURETING
AND GENERATING GAS.



112,027. G. W. FOLTS.
JAMES L. BRANSON
KNITTING-MACHINES.



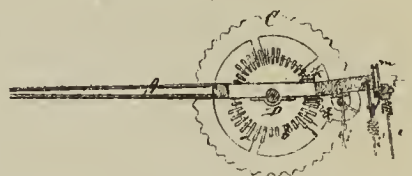
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WATER-WHEELS.



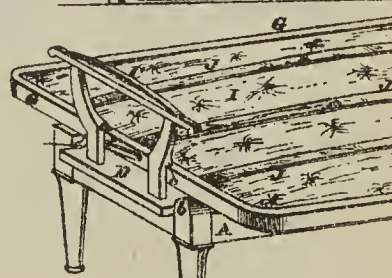
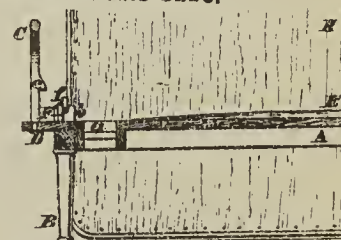
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LUBRICATORS.



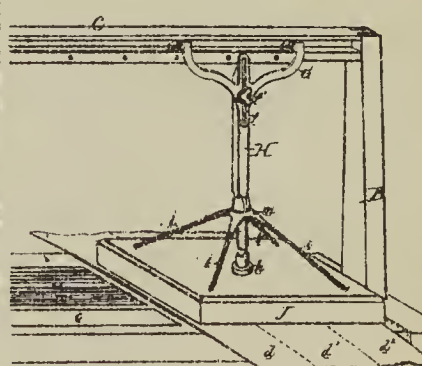
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HAY-TEDDERS.



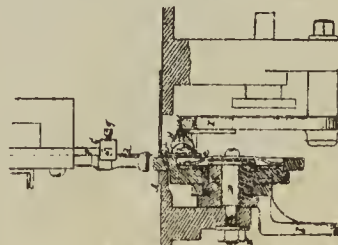
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LOUNGES AND BEDS.



112,032. W. H. HALSEY.
OIL-CLOTH PRINTING MACHINERY.



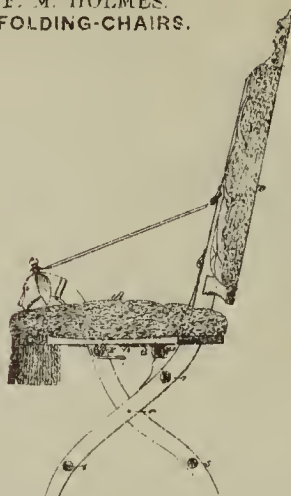
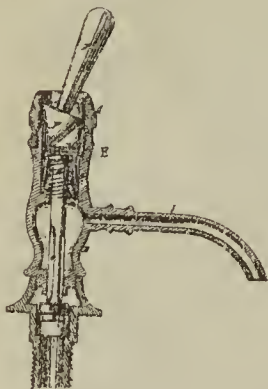
112,033. HENRY J. HANCOCK.
HOLDERS FOR NEEDLES IN
SEWING-MACHINES.



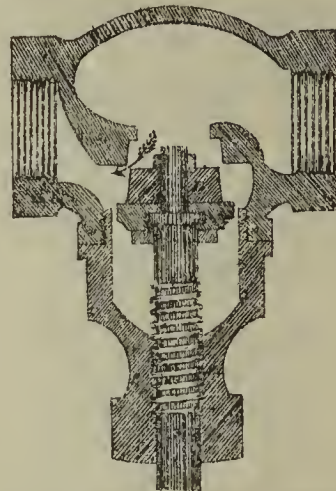
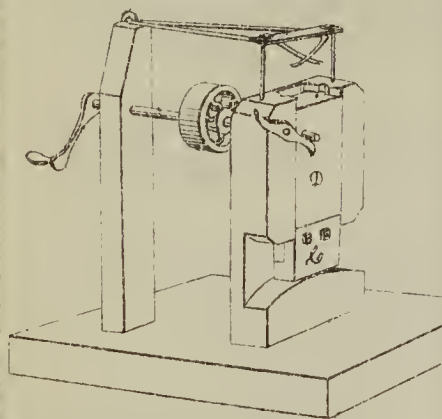
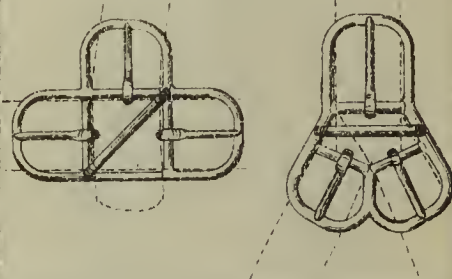
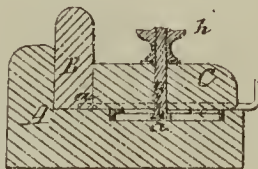
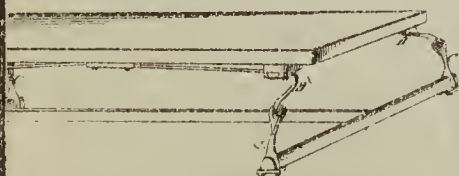
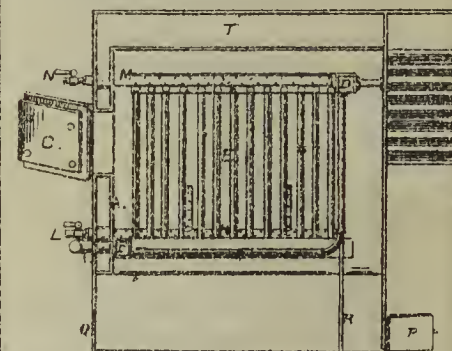
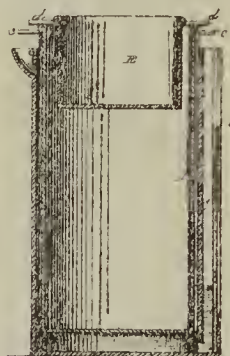
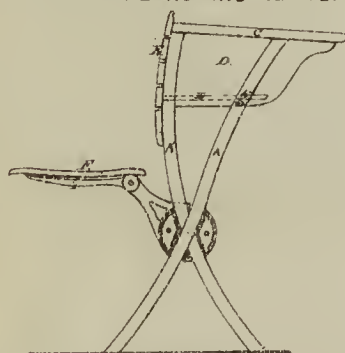
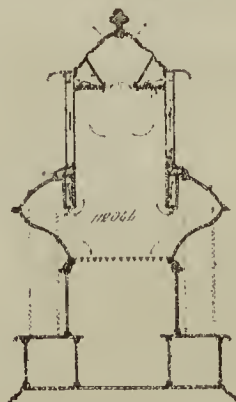
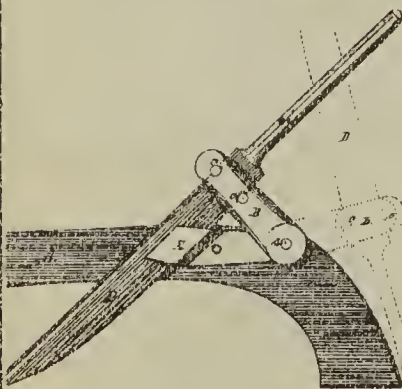
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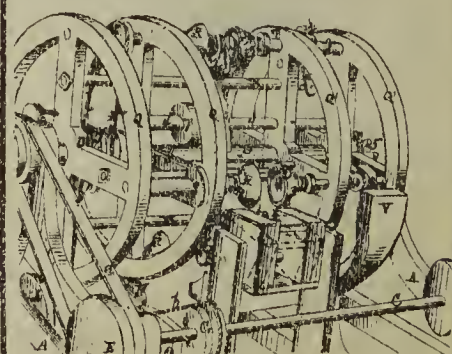
112,051

112,034, NAPOLEON B. HEAFER.
ROAD-BEDS.112,040, F. M. HOLMES.
FOLDING-CHAIRS.112,045, CARLETON B. HUTCHINS
MANUFACTURE OF PAPER AND
LEATHER-BOARD.112,035, WILLIAM H. HEDGES
FAUCETS.112,046, ELIAS S. HUTCHINSON.
MANUFACTURE OF FLOUR.

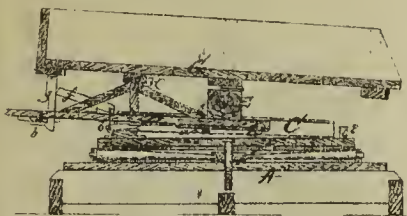
112,047, JOHN JOHNSON. VALVES.

112,036, BENJ. HERSHEY.
TRIP-HAMMERS112,041, F. M. HOLMES.
FOLDING-CHAIRS.112,048, LEWELLYN F. JONES.
THEODORE M. BARBER.
WALTER-BUCKLES AND RINGS.112,037, RICHARD DUDLEY.
BENJAMIN HERSHEY.
SPRINGS FOR VEHICLES.112,042, BENNET HOTCHKISS.
WINDOW-SASH LOCKS.112,049, JAMES L. JUDGE.
STEAM-GENERATORS.112,038, CHARLES J. HIGGINS.
SCHOOL-DESKS AND SEATS.112,043, ORVIS D. HUDSON.
HYDROSTATIC SCALES.112,050, JAMES FRANKLIN KELLOGG.
TUCK-MARKERS FOR SEWING-MACHINES.112,039, EPHRAIM C. HODGE.
PLOW-COLTERS.112,044, GEORGE G. HUNT.
BASE-BURNING STOVES.

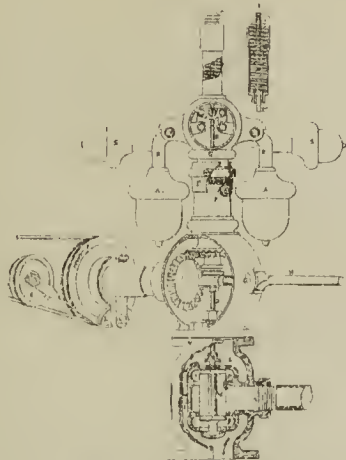
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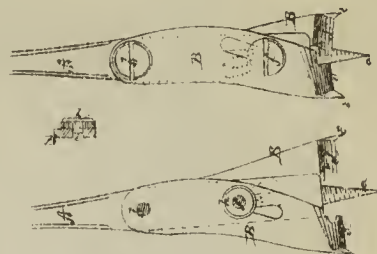
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DUMPING-CARS.



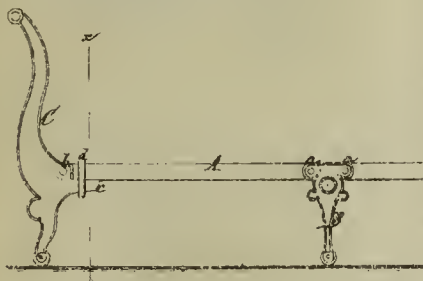
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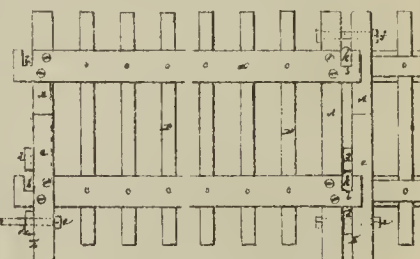
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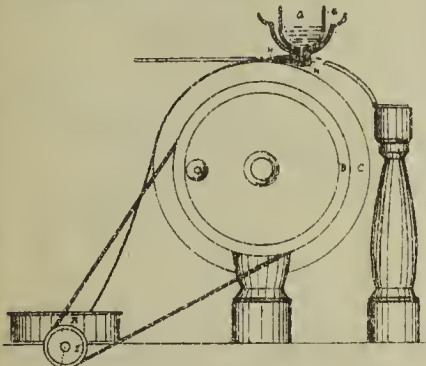
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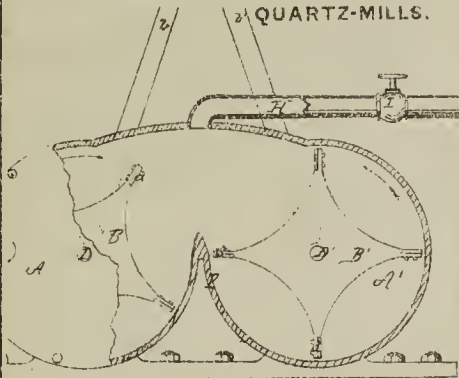
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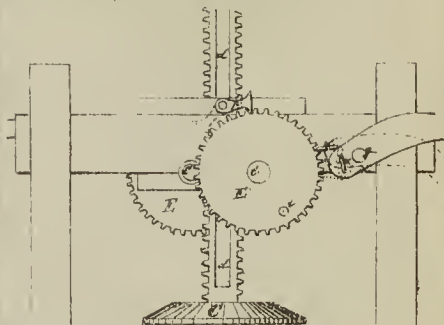
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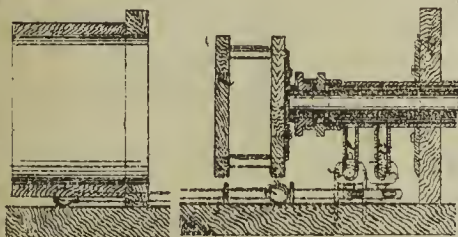
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QUARTZ-MILLS.



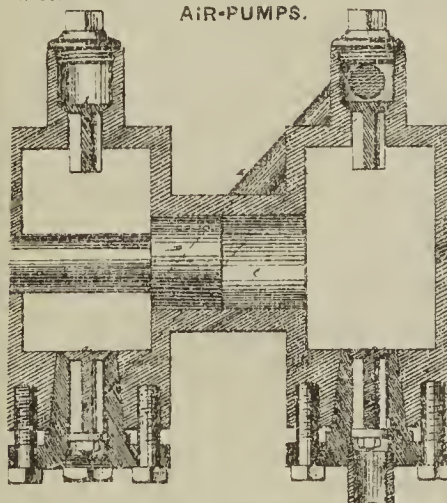
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TOBACCO, HAY, AND COTTON-PRESSES.



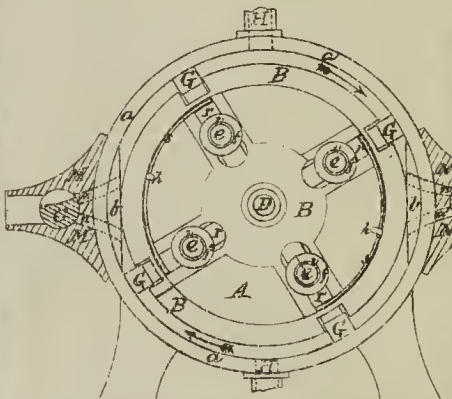
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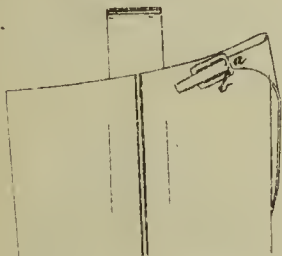
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AIR-PUMPS.



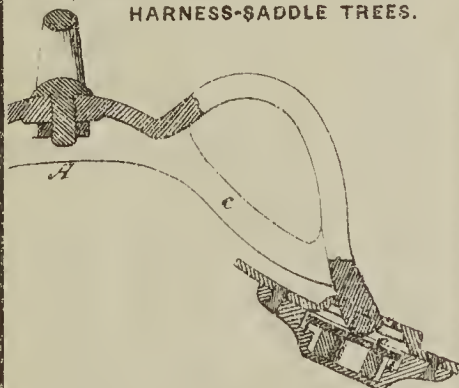
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ROTARY STEAM-ENGINES.



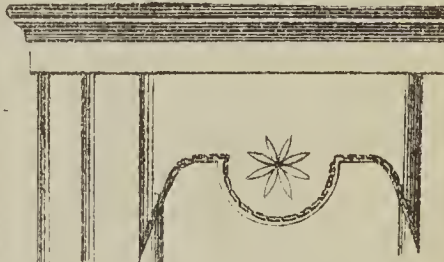
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112,061, JOHN H. MARTIN.
HARNESS-SADDLE TREES.



112,067, ROBERT NENNINGER. CURTAINS.
FRIEDRICH BRÄUER.



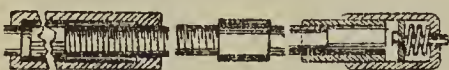
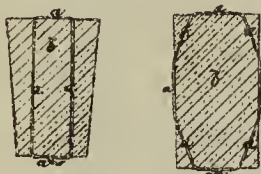
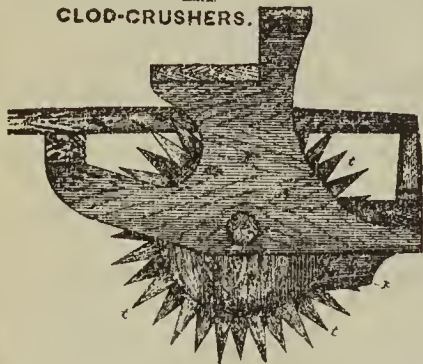
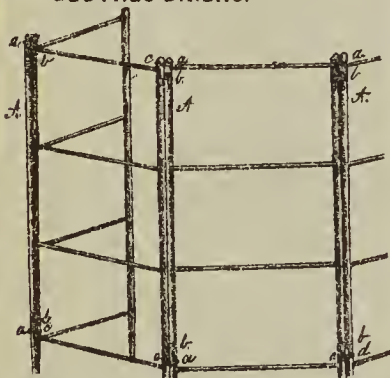
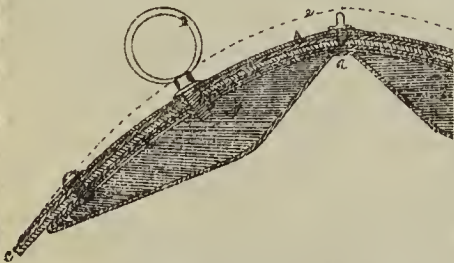
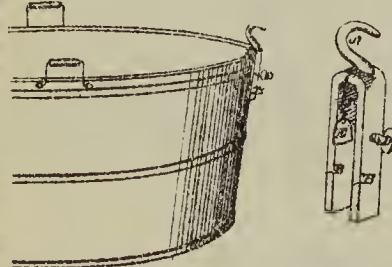
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MODES OF LASTING SHOES



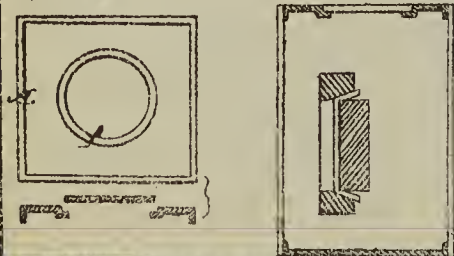
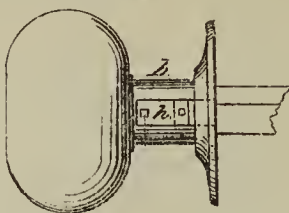
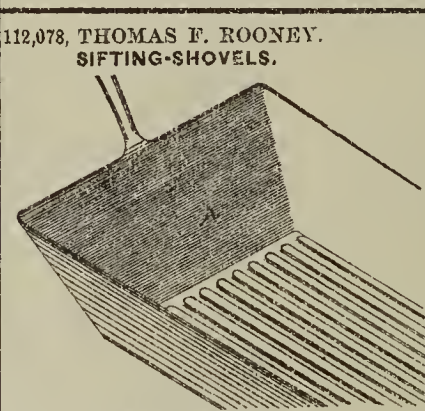
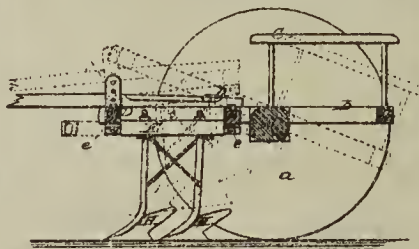
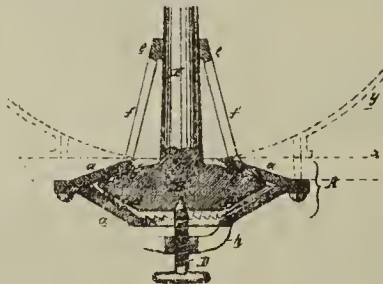
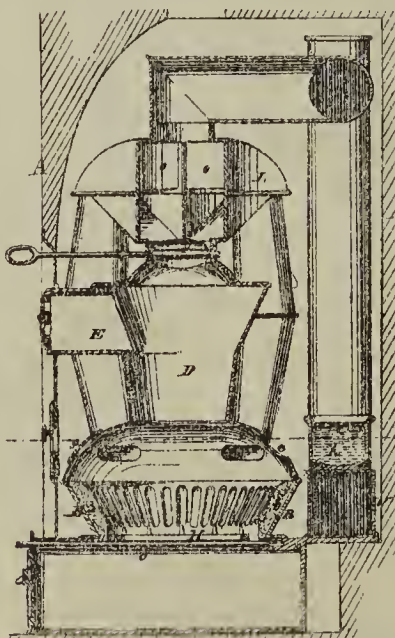
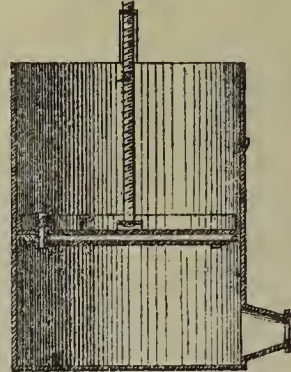
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CARPENTERS' PLANES.



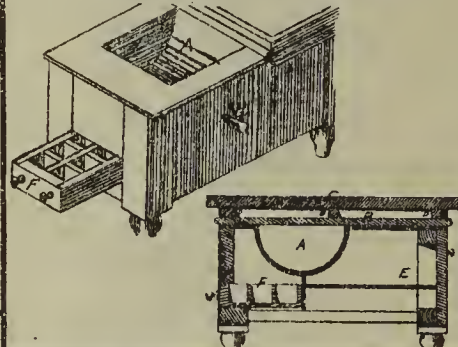
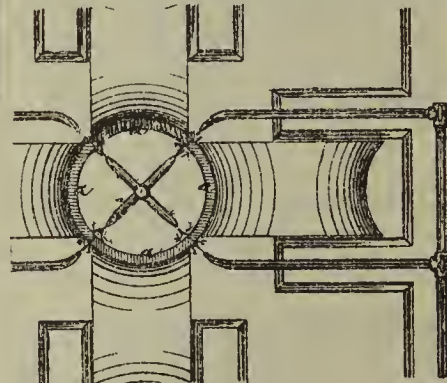
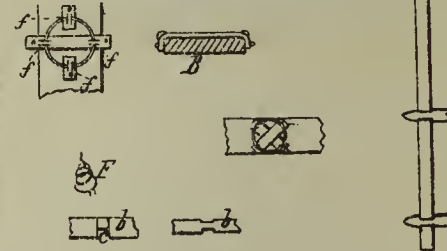
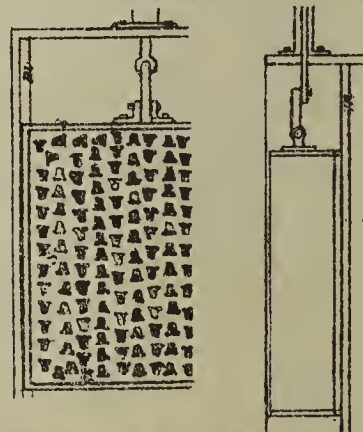
112,068, CHAS. M. NES.
MANUFACTURE OF SILICON STEEL.

112,069. WM. NEVINS.
APPARATUS FOR STEAMING OIL-WELLS.112,070. WM. HARRISON NEWTON.
BOTTLE-CORKS.112,071. JOSEPH B. X OKEY
CLOD-CRUSHERS.112,072. ENOS L. PARKER.
CLOTHES-DRIERS.112,073. MARTIN W. POND.
HARNESS-PADS.112,074. JAMES H. PRATT.
CLOTHES-WRINGING HOOKS.

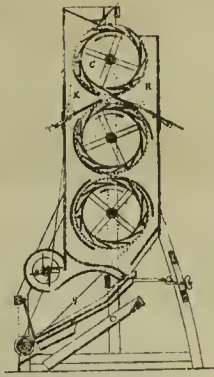
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112,076. JOHNSON M. QUINBY.
A. S. DYER.
DOOR-LOCKS.112,077. HENRY G. REED.
MODES OF MANUFACTURING GOLD.
SILVER. OR PLATED-WARE.112,078. THOMAS F. ROONEY.
SIFTING-SHOVELS.112,079. ORESTES SAMPSON.
COMBINED GANG-PLOWS
AND CULTIVATORS.112,080. GEORGE SELSOR.
GRINDING-MILLS.112,081. SAMUEL B. SEXTON
HOT-AIR FURNACES.112,082. JOSEPH S. SHANEMAN.
JOSEPH S. HOON.
FRUIT-CANS.

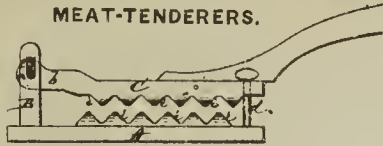
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112,084. FREDERICK H. SMITH.
MANUFACTURE OF METAL
TUBES AND COLUMNS.112,085. HOWARD SMITH.
JAMES POTTER.
SPRING BED-BOTTOMS.112,086. STEPHEN N. SMITH.
SOLOMON W. YOUNG.
DEVICES FOR SEPARATING EYELETS.

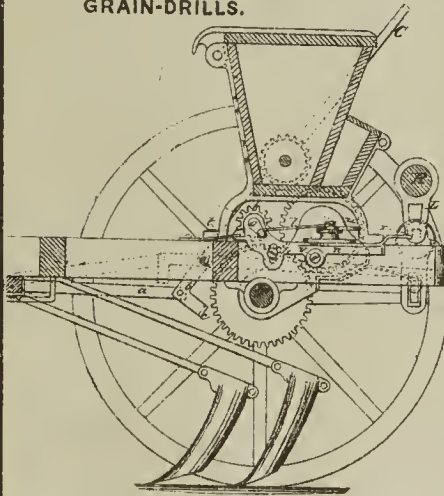
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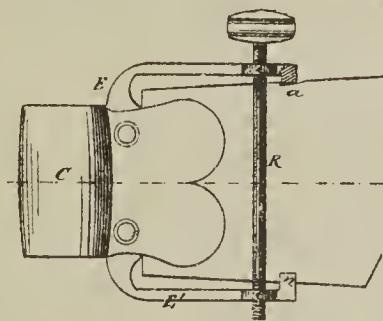
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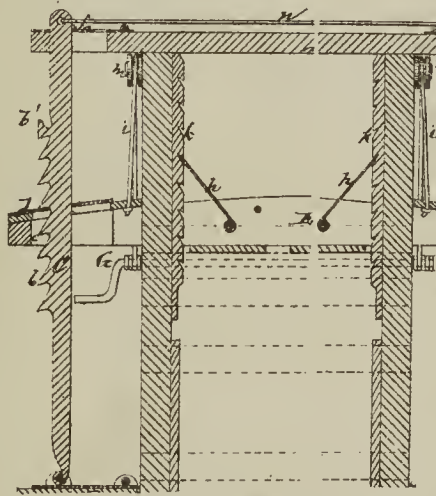
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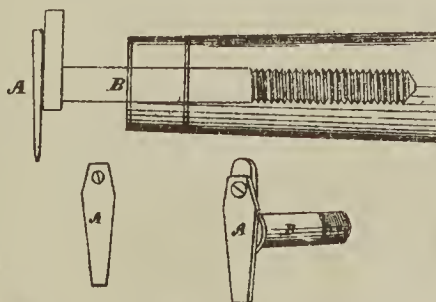
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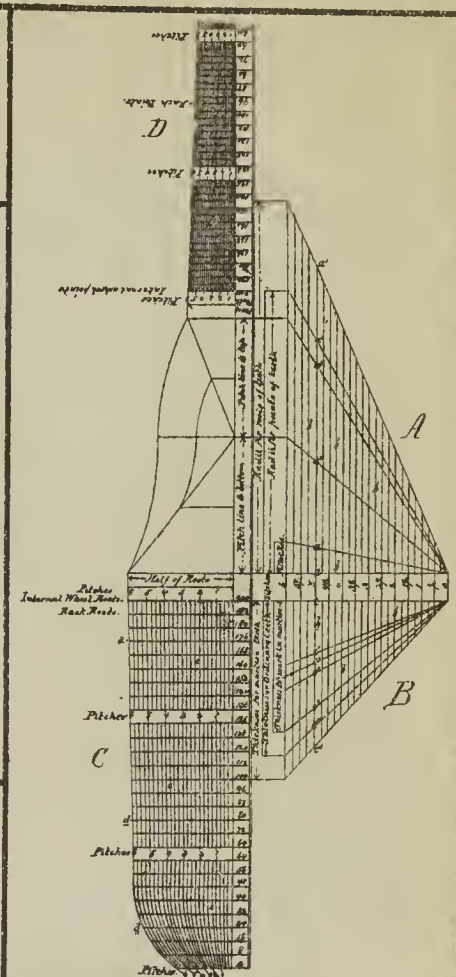
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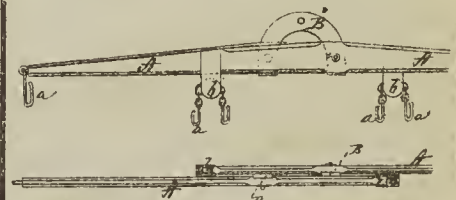
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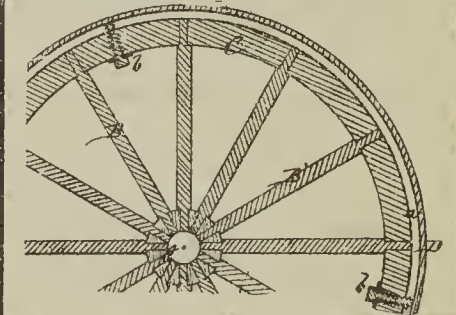
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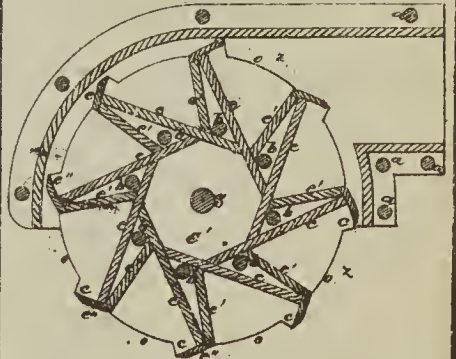
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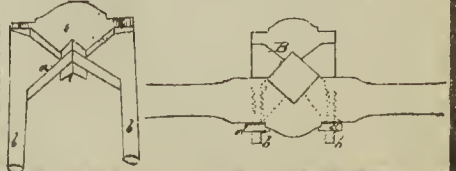
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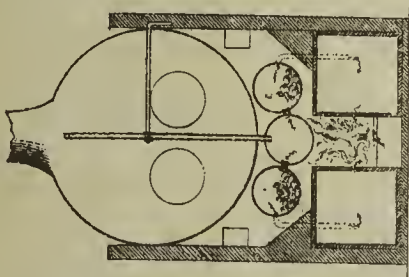
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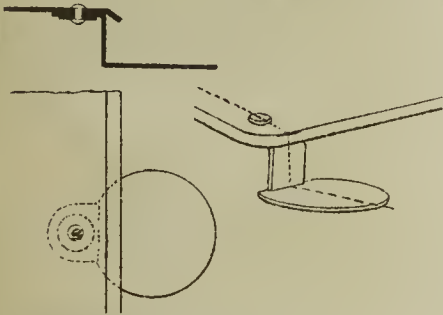
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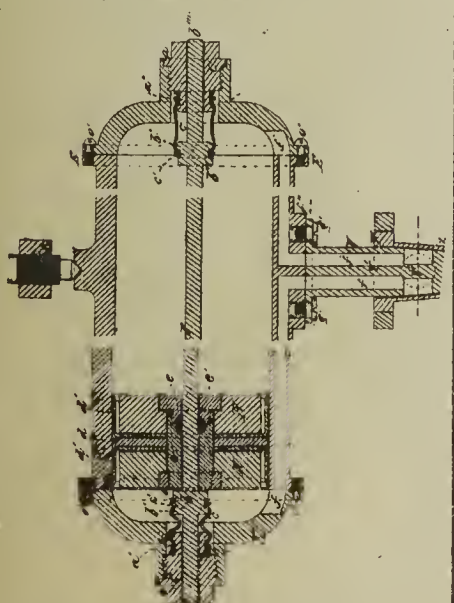
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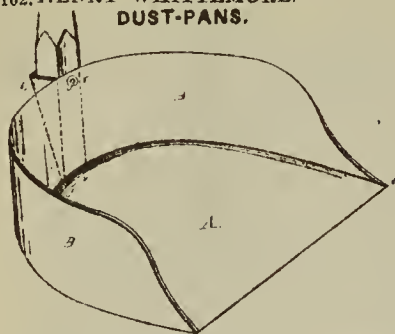
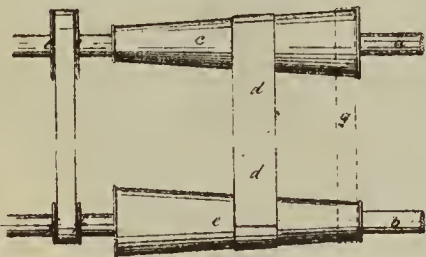
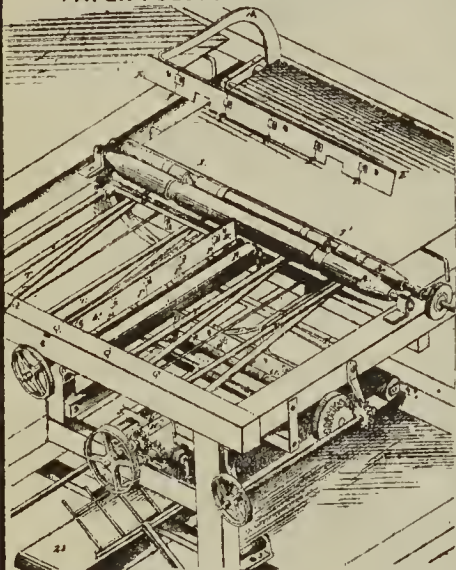
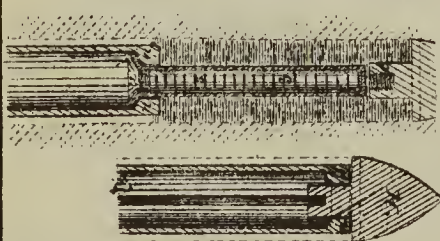
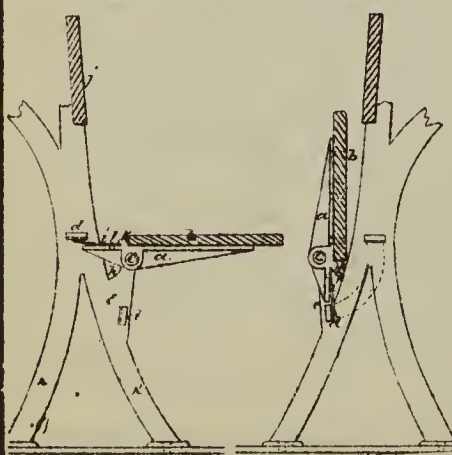
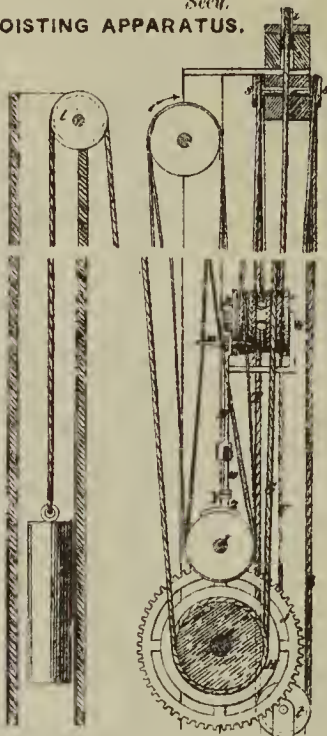
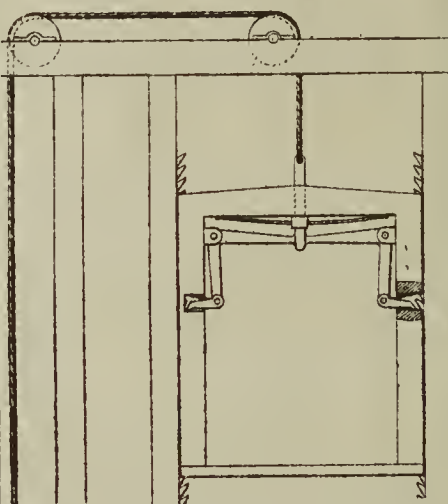
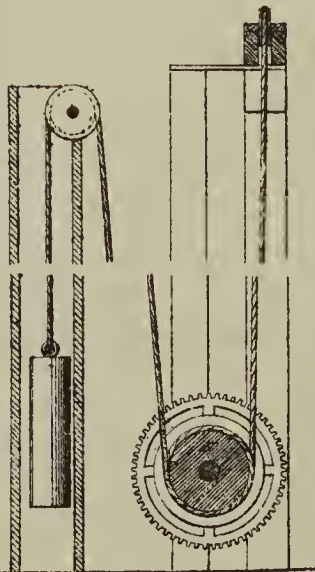
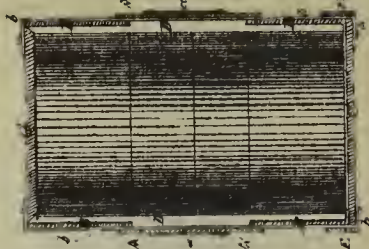
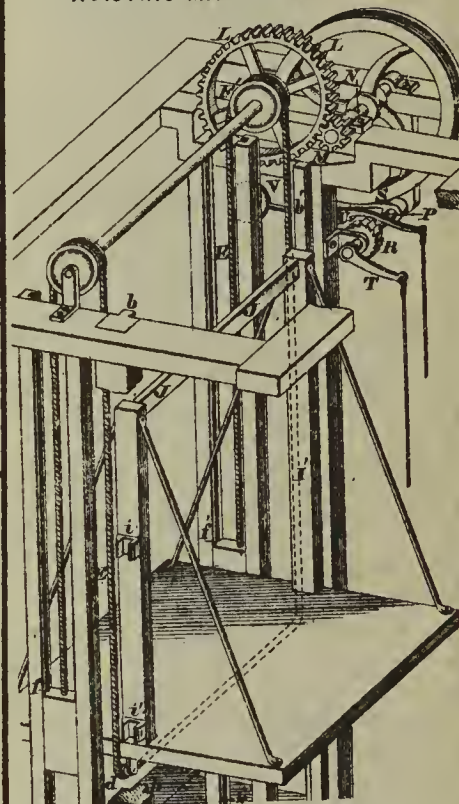
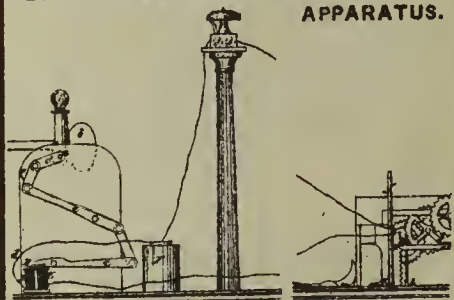
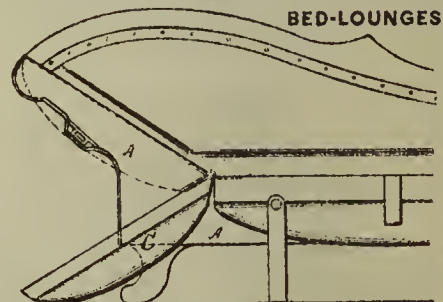
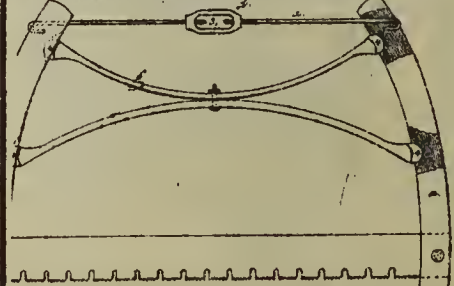


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112,091, WILLIAM G. STUART.
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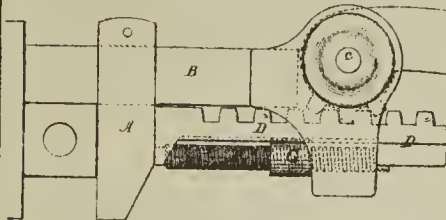
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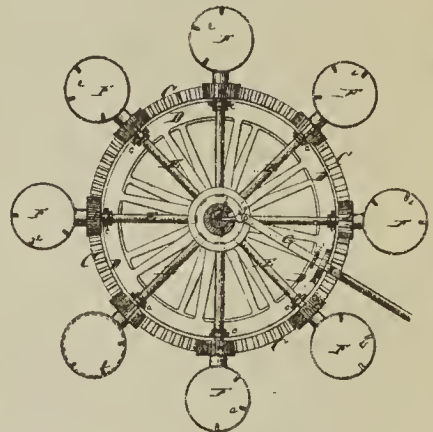
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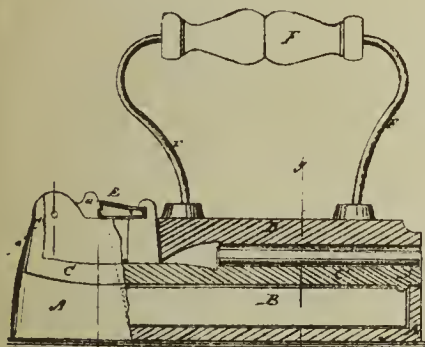
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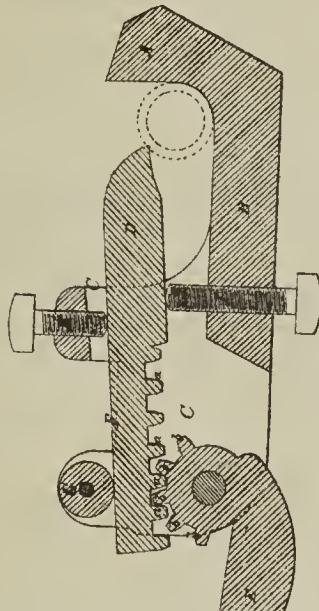
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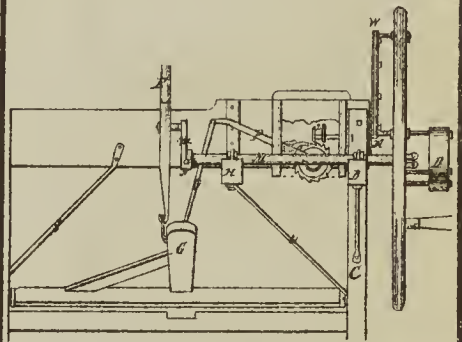
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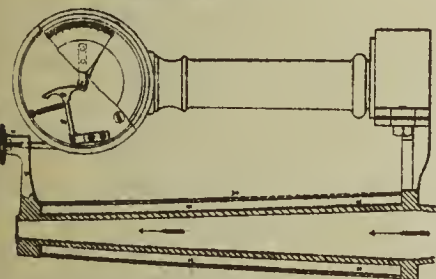
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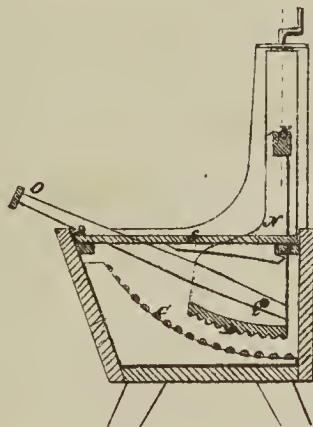
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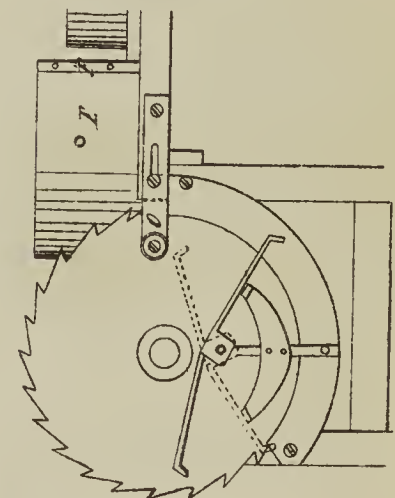
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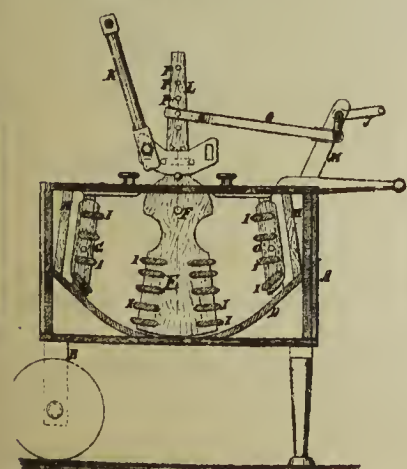
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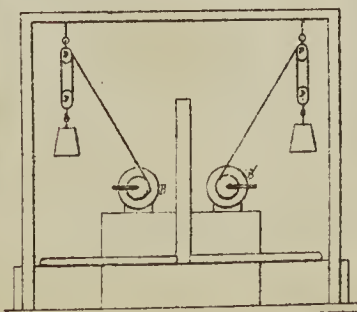
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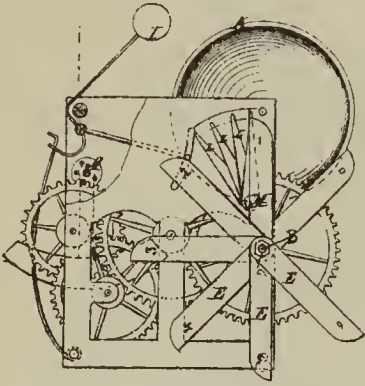
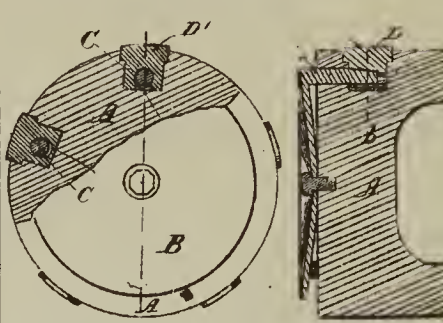
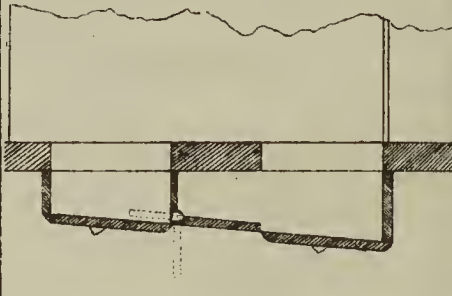
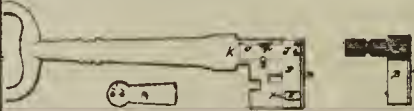
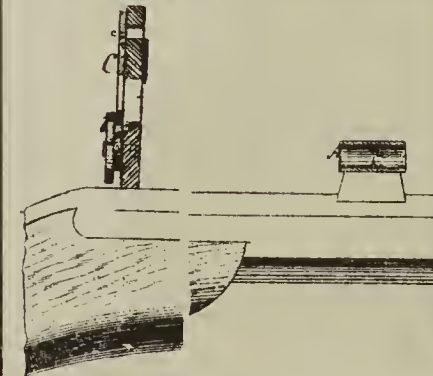
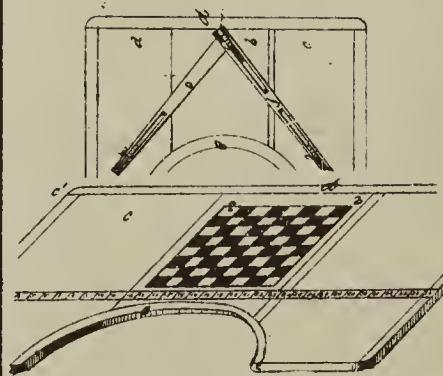
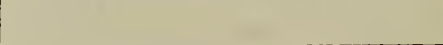
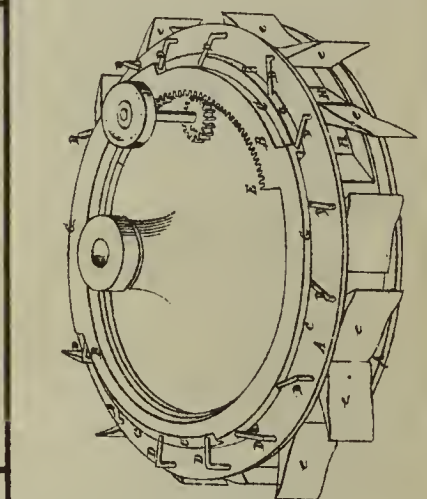
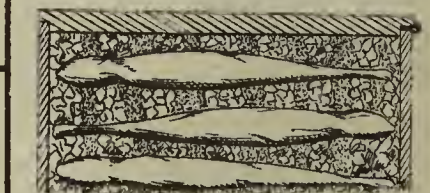
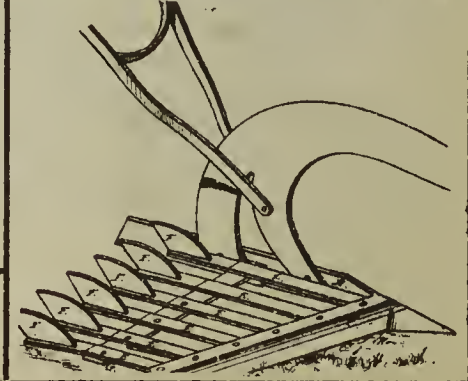
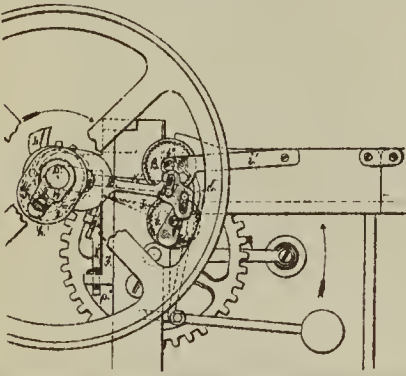
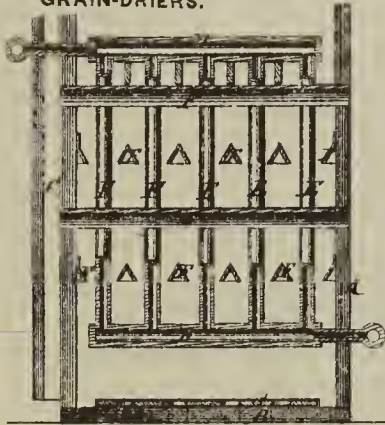
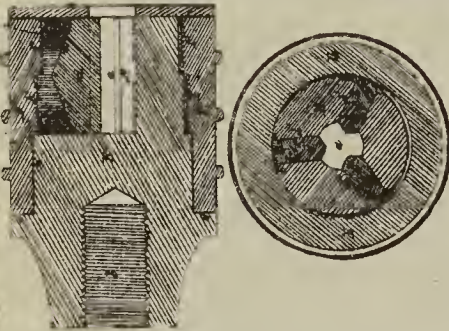
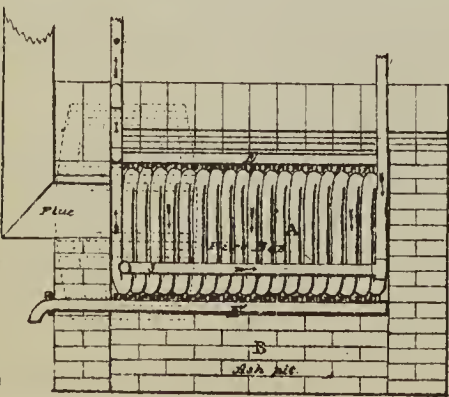


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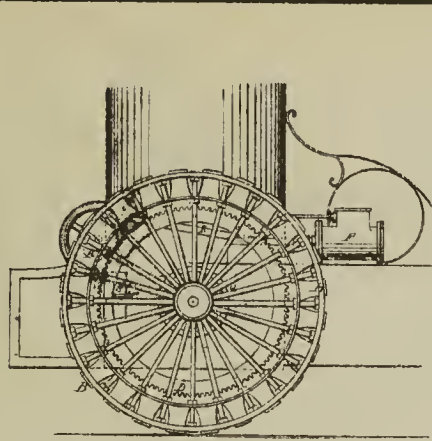
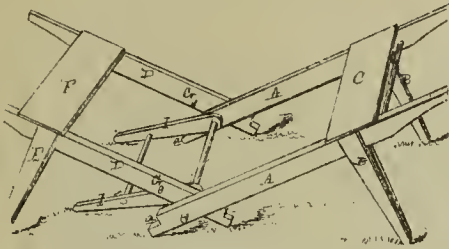


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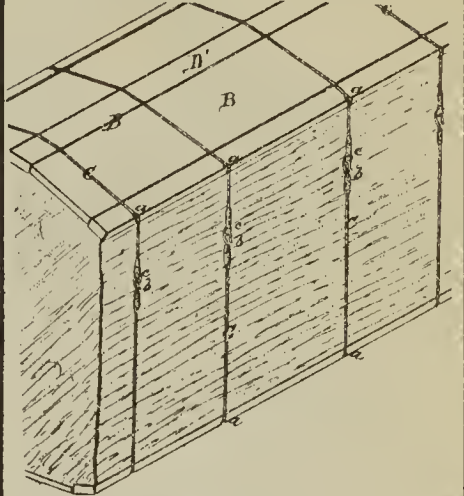


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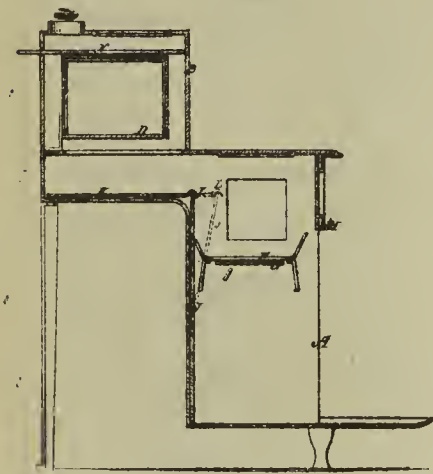
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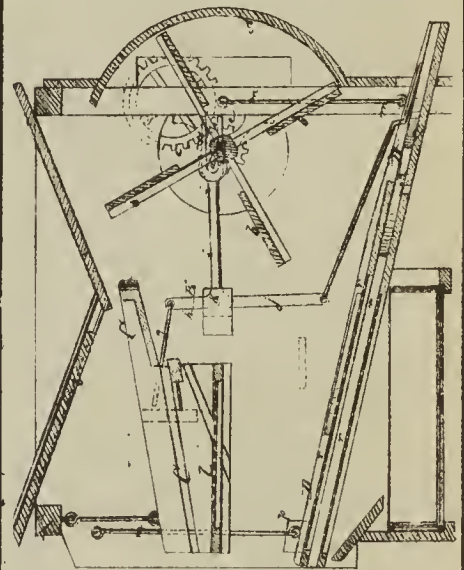
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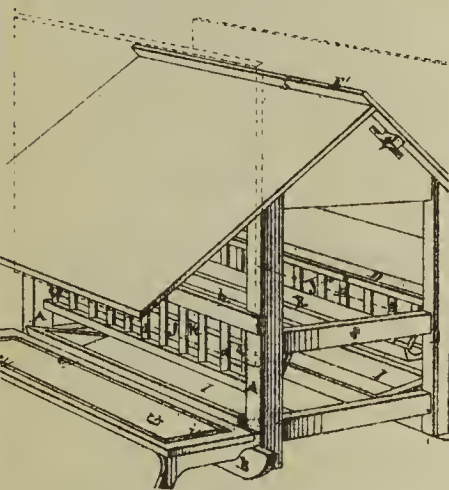
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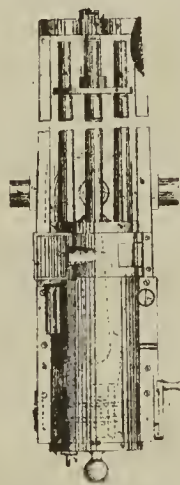
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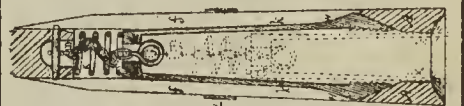
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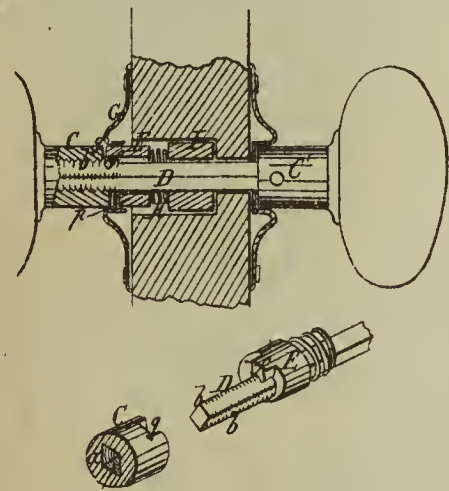
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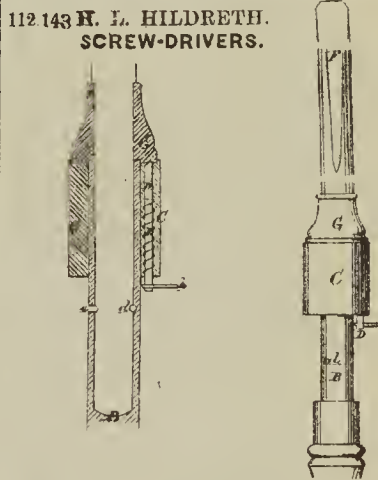
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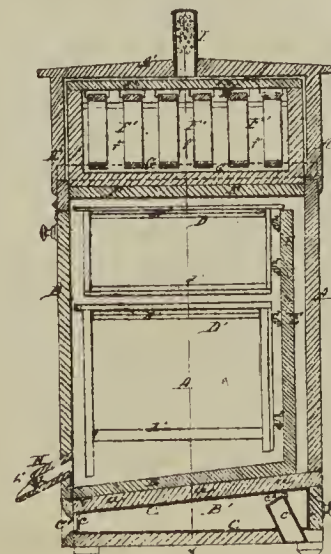
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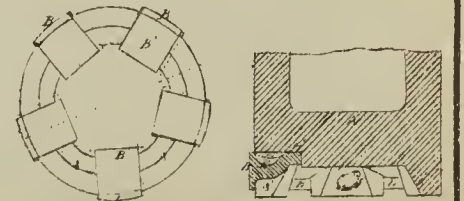
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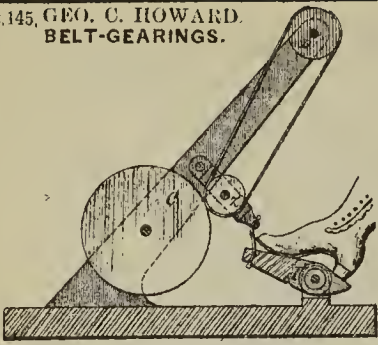
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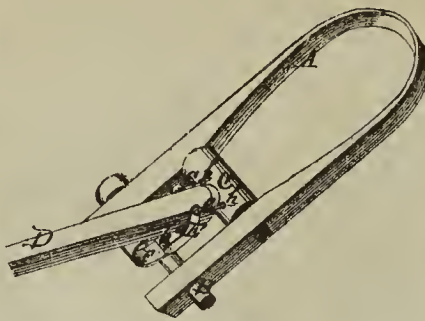
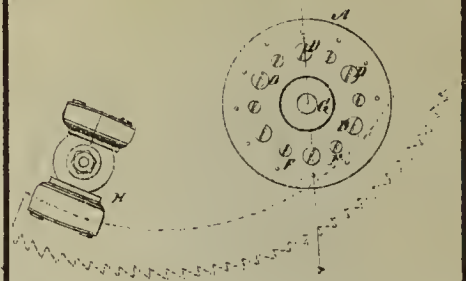
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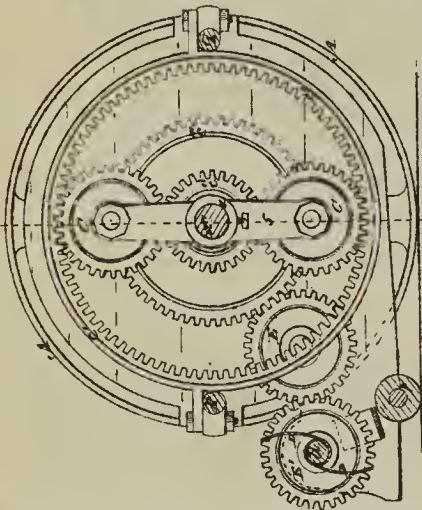
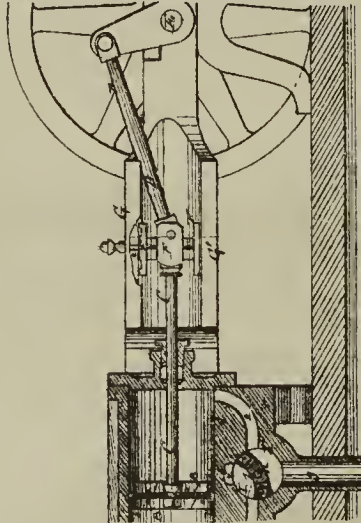
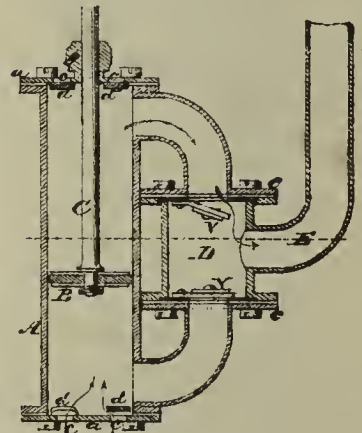
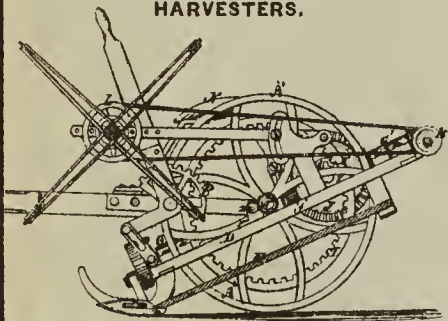
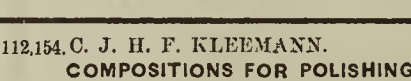
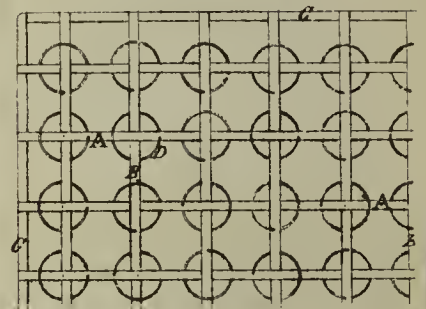
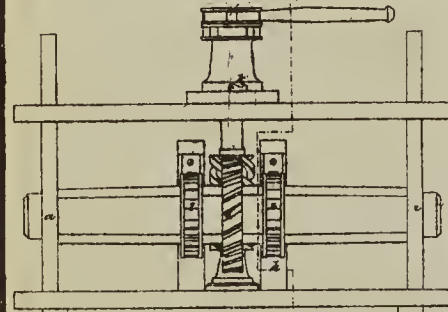
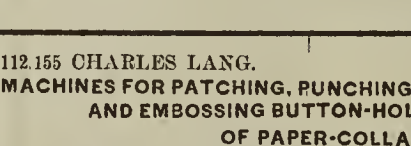
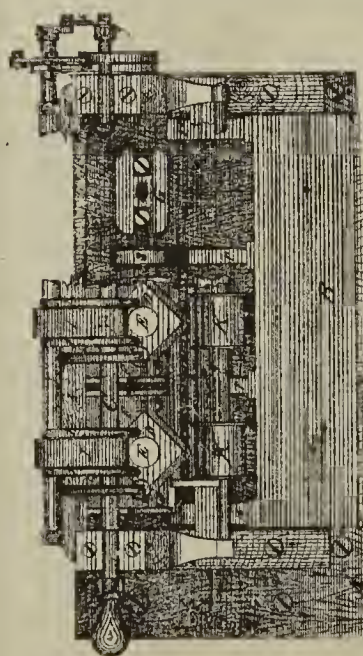
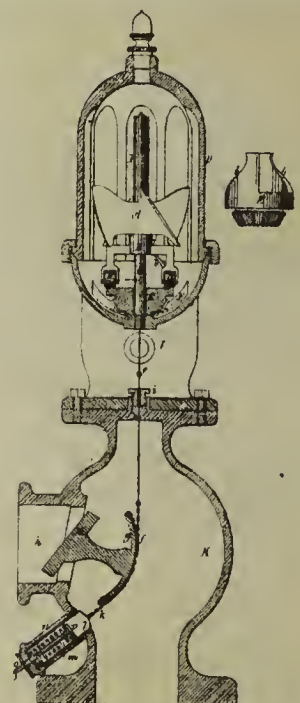
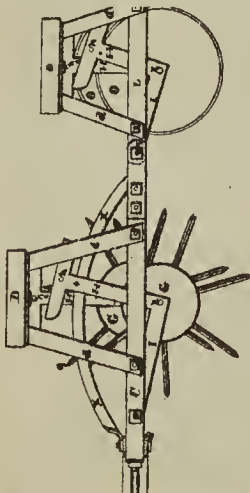
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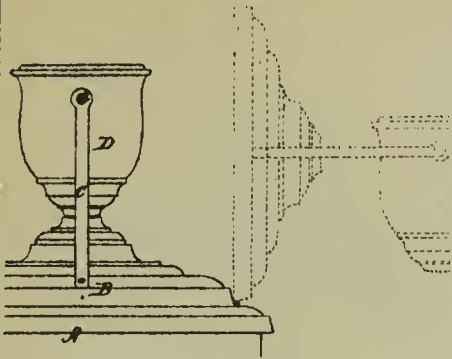
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112,150, LEWIS KELLEY. ANIMAL-POKES.

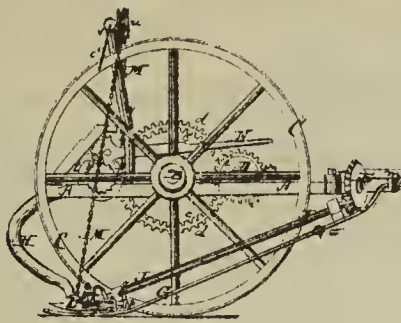
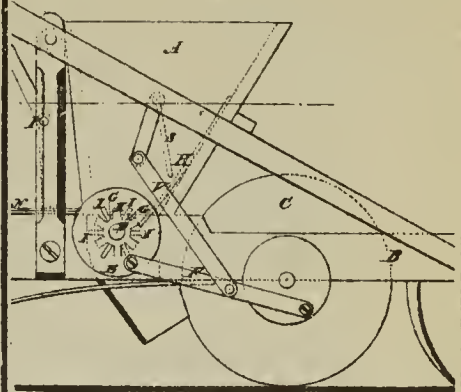
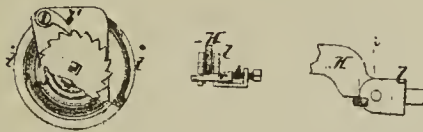
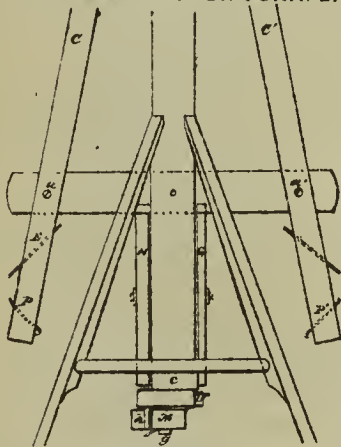
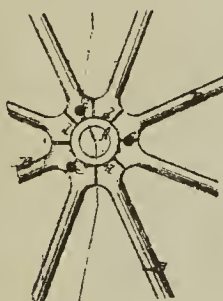
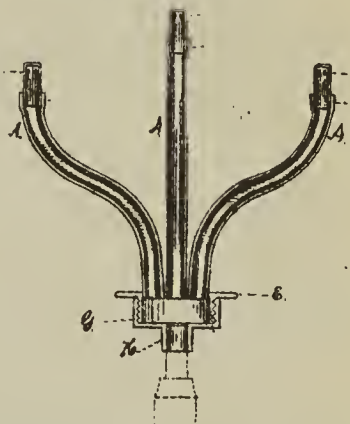
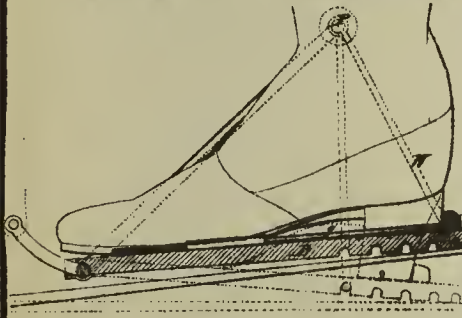
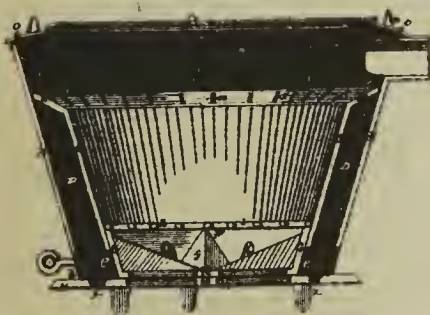
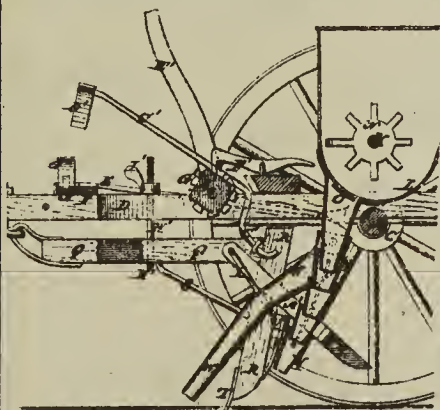
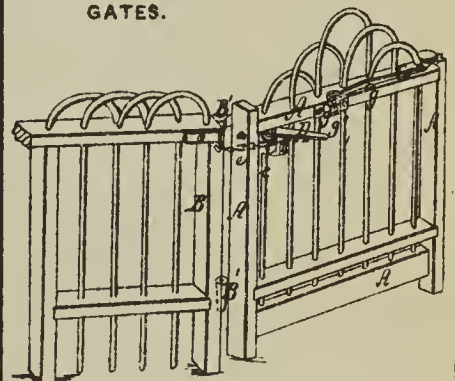
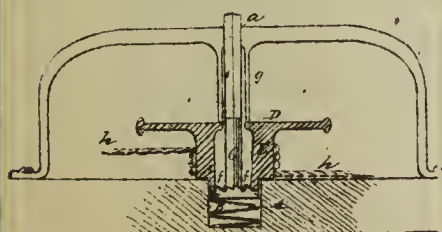
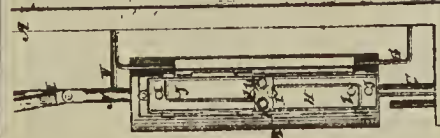
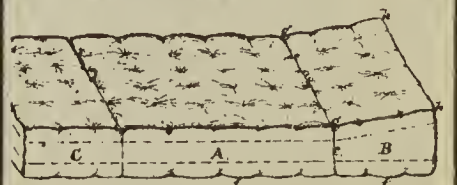
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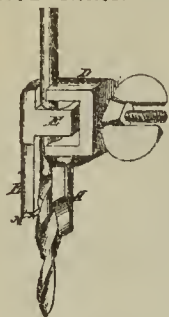
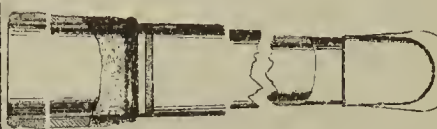
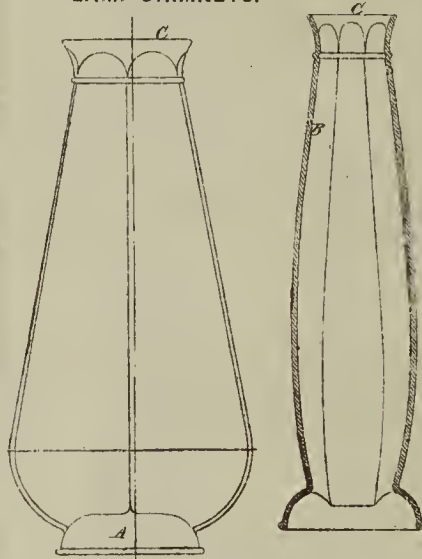
112,146, AMER INGRHAM LAWN-MOWERS.

112,151, HENRY JAMES KING.
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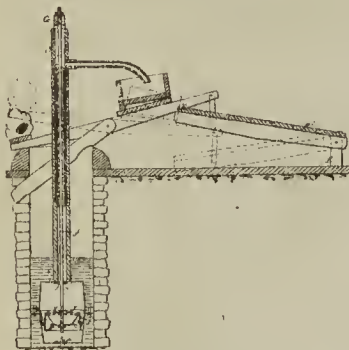
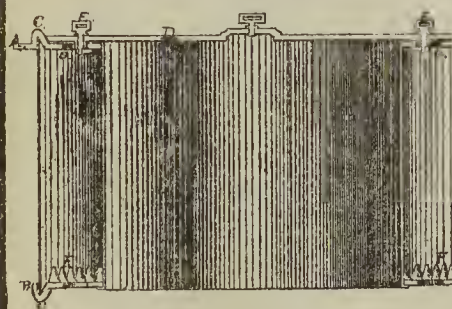
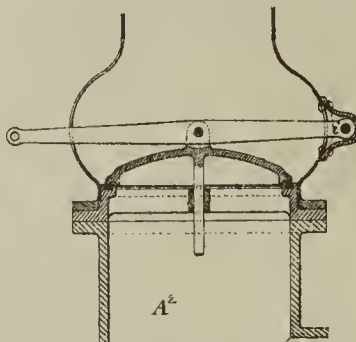
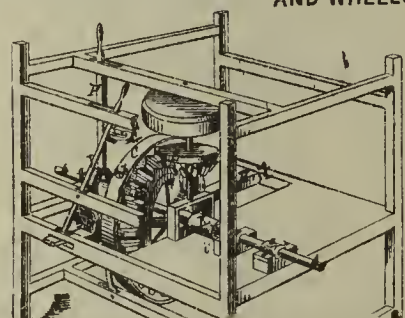
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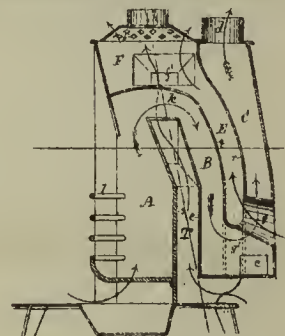
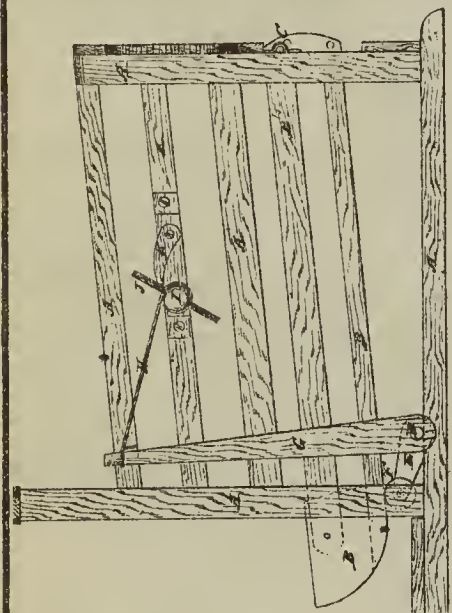
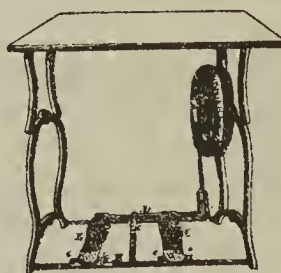
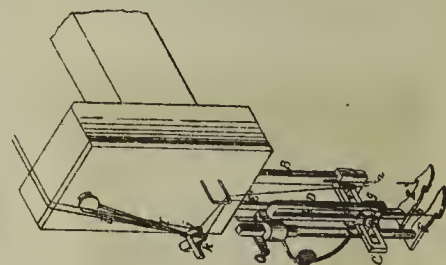
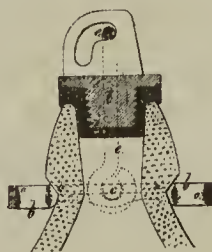
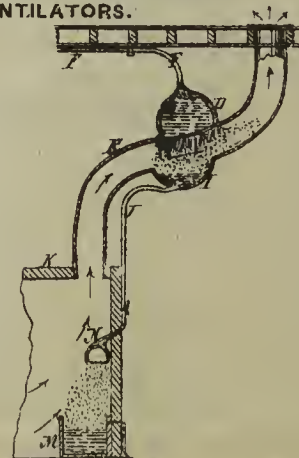
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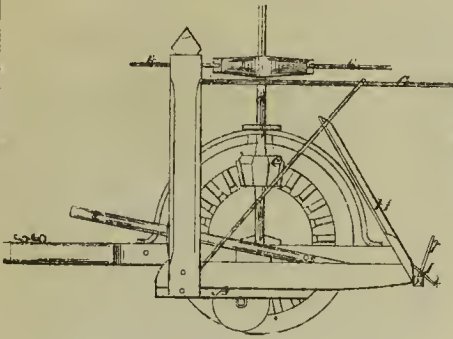
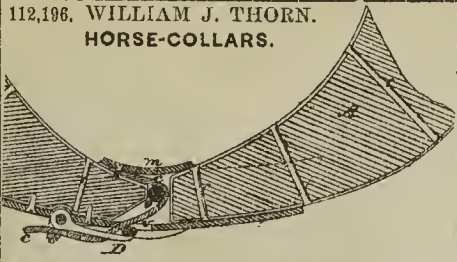
112,176. FRANK H. PALMER.
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112,177. JOHN S. PATRIC. PUMPS.

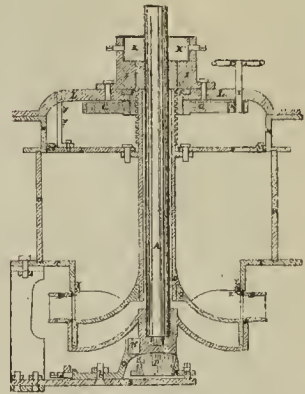
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112,188. JOHN SMITH. FIRE-PLACES.

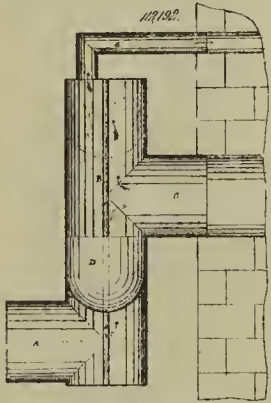
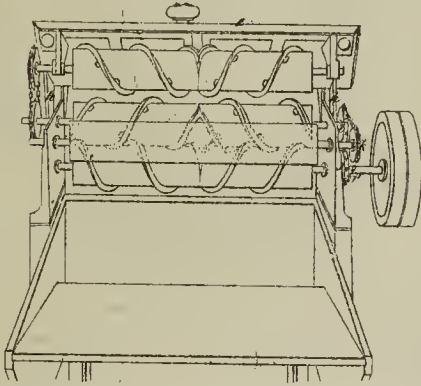
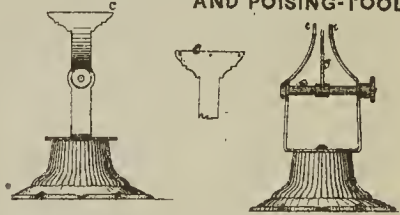
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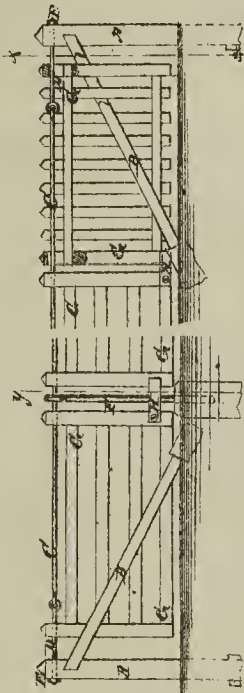
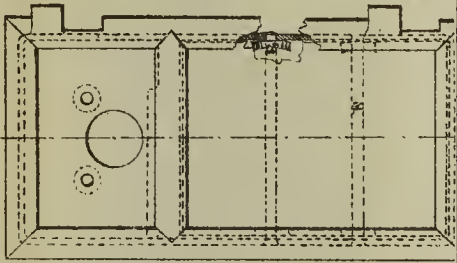
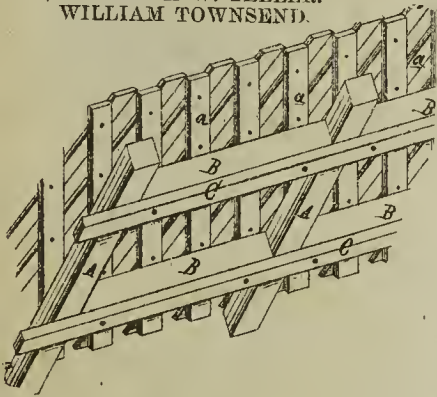
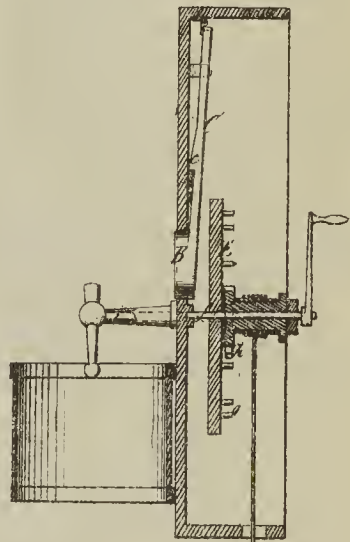
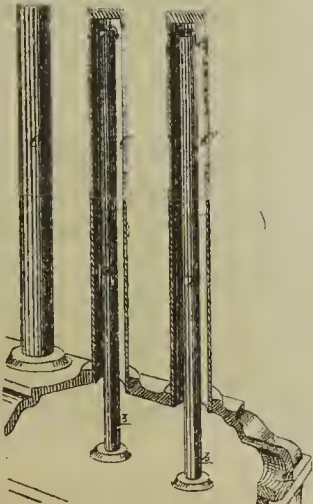
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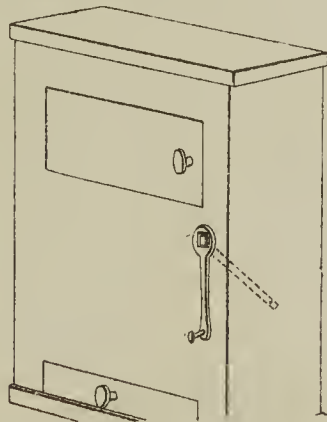
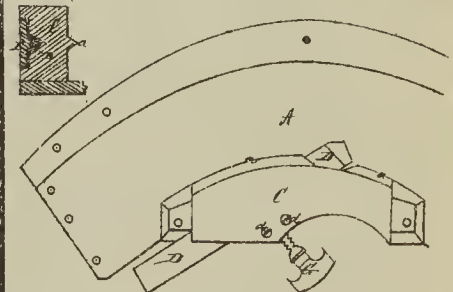
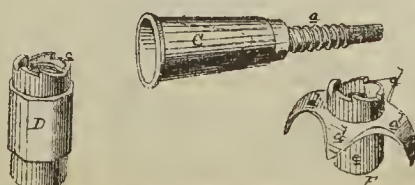
112,192, PETER SWEENEY. TUYERES.

112,197 JOSEPH VERO.
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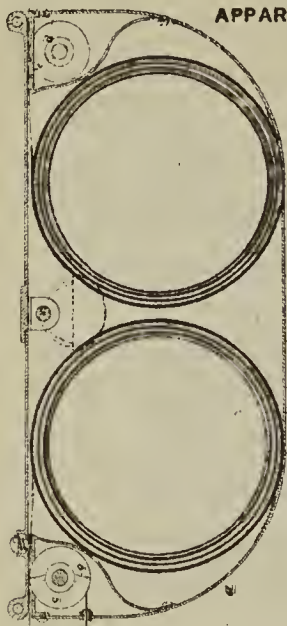
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112,193, W. H. TAYLOR.
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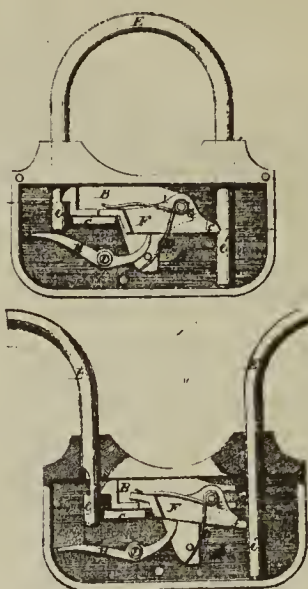
112,199, J. W. WETMORE.. FIRE-PLACES.

112,205, VINCENT ^{his} X APPLEGATE.
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SAMUEL F. ^{his} X RORY.
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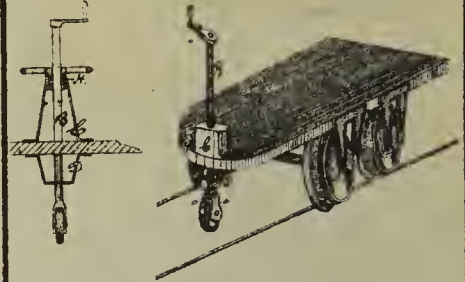
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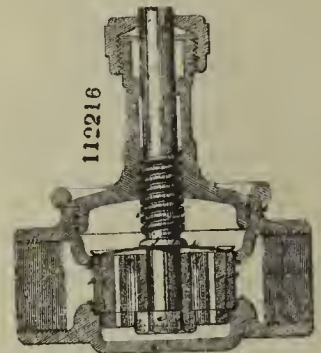
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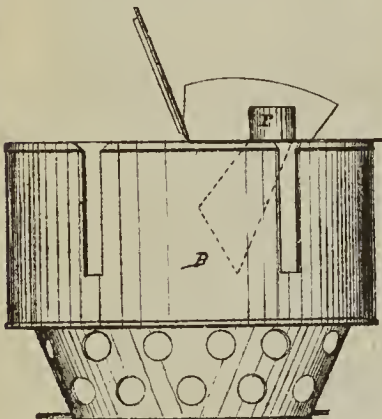
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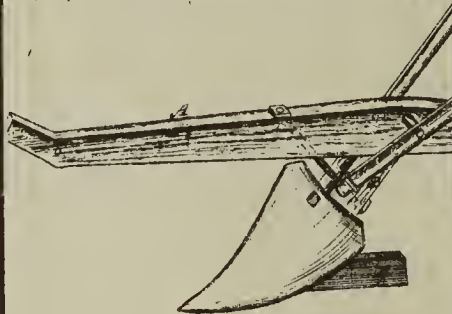
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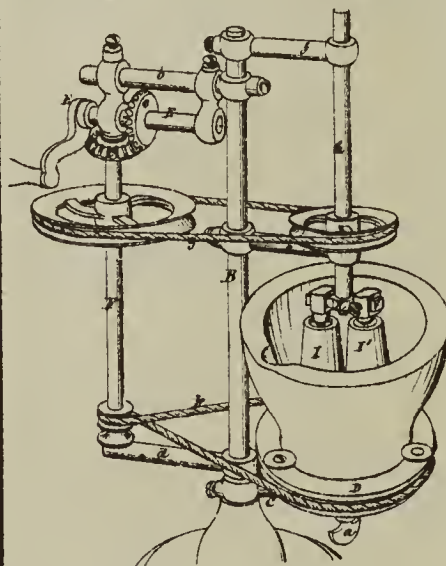
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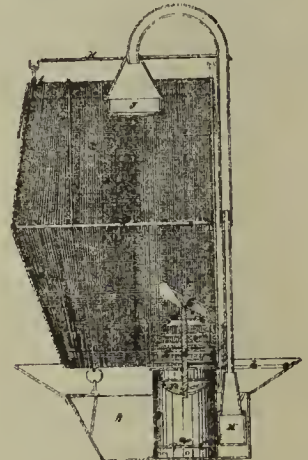
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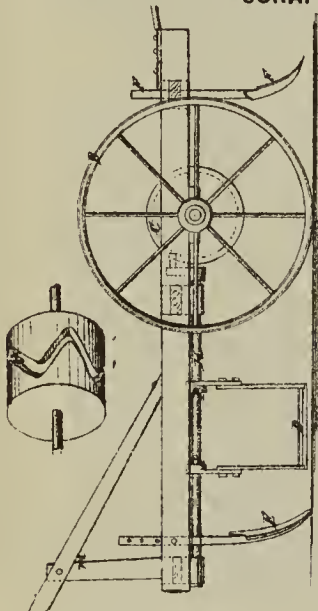
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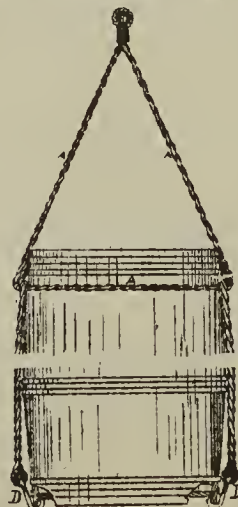
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SHOWER-BATH APPARATUS.



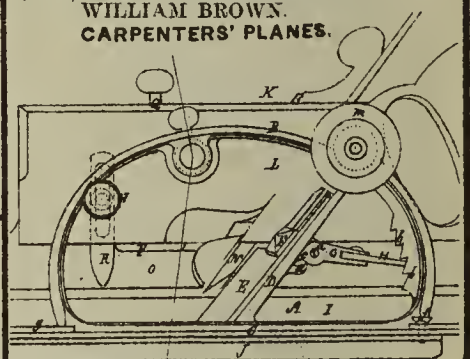
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SCRAPERS, &c.



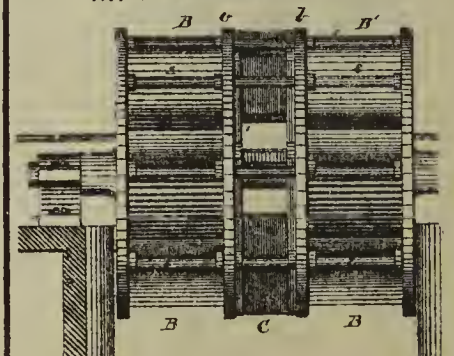
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APPARATUS FOR LIFTING BARRELS, &c.



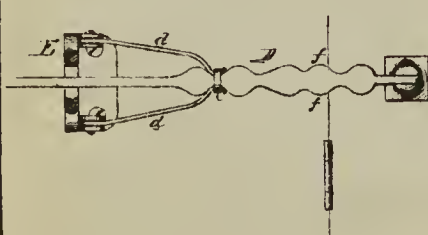
112,218. JAMES RAYMOND BROWN.
WILLIAM BROWN.
CARPENTERS' PLANES.



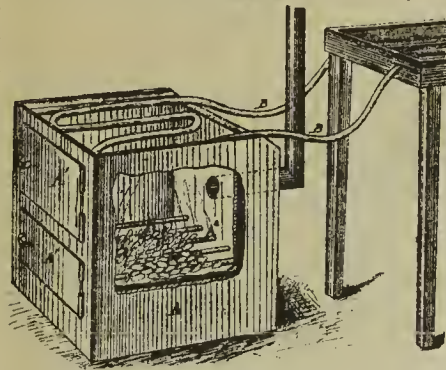
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WATER-WHEELS



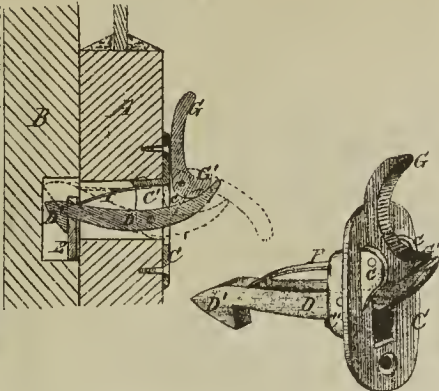
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DOOR-CHECKS.



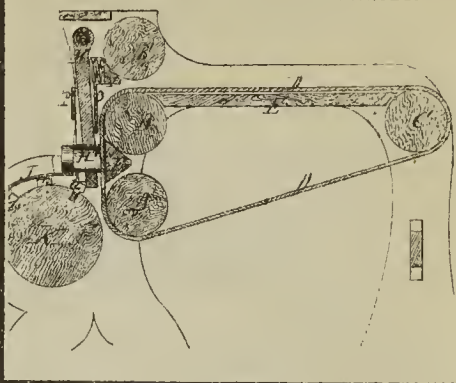
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APPARATUS FOR HEATING
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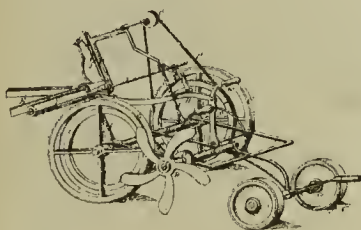
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SHUTTER-FASTENERS.



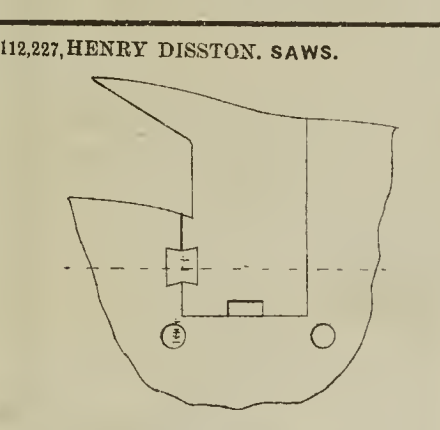
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LOZENGE-CUTTING MACHINES.



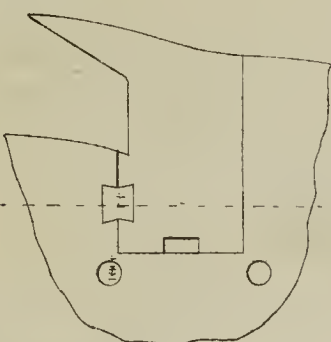
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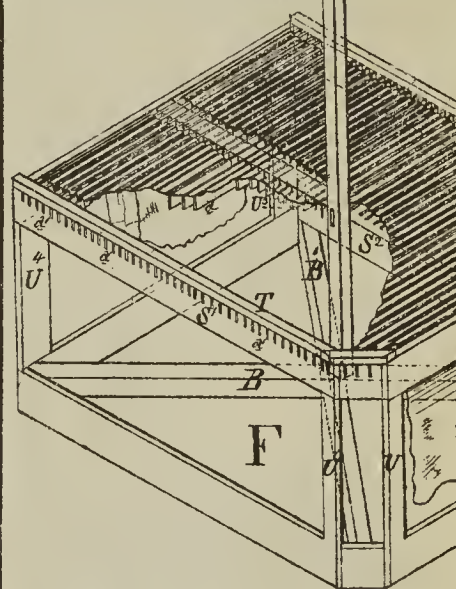
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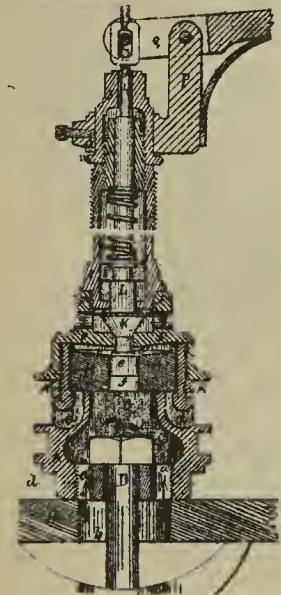
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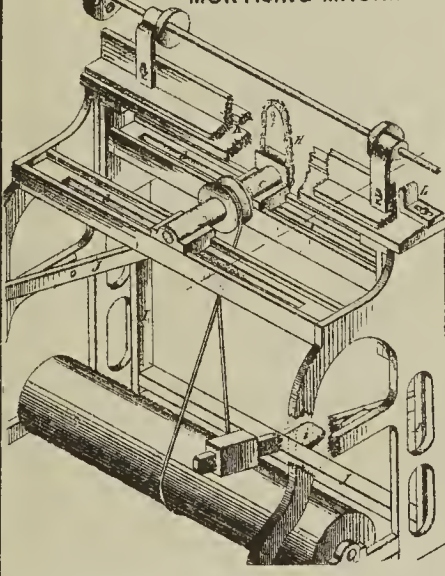
112,232, LEWIS C. ENGLAND.
APPARATUS FOR TANNING.



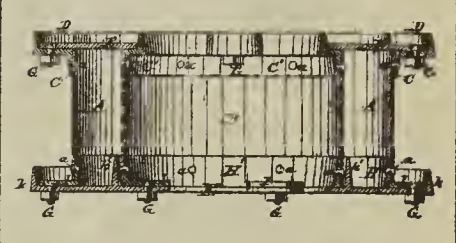
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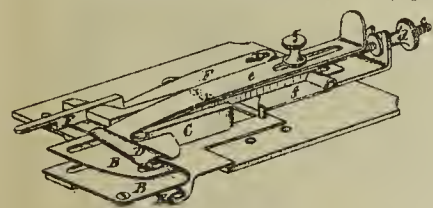
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WM. H. SOLEY.
MORTISING-MACHINES.



112,233, MICHEL G. FAGAN.
HEATING APPARATUS.



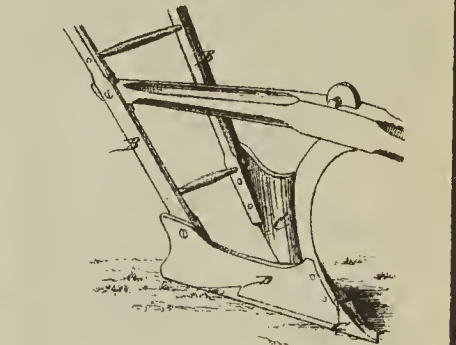
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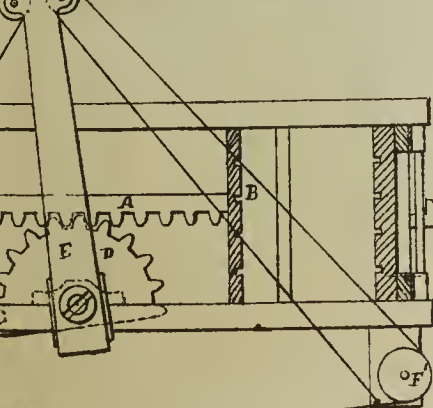
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BENJ. HERSHEY.
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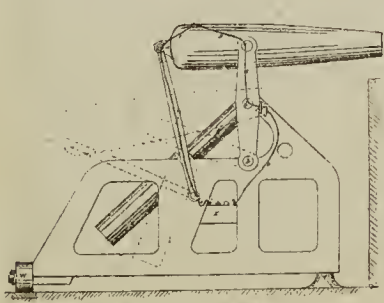
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SAMUEL M. WHITE.



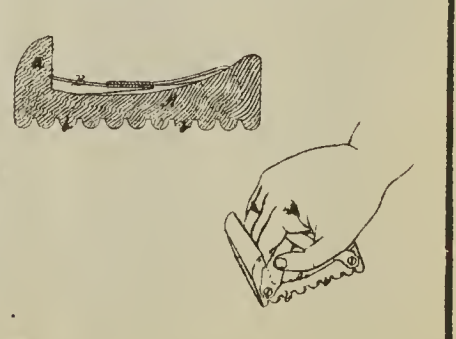
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BALING-PRESSES.

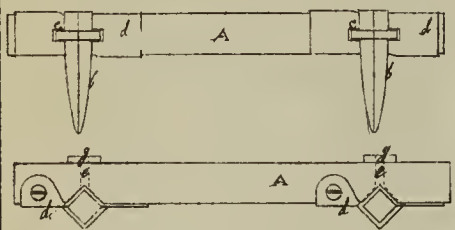
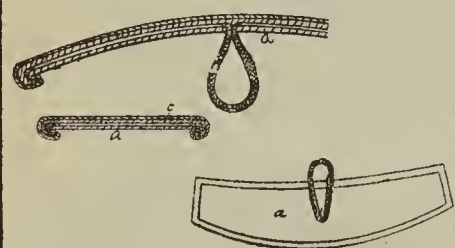
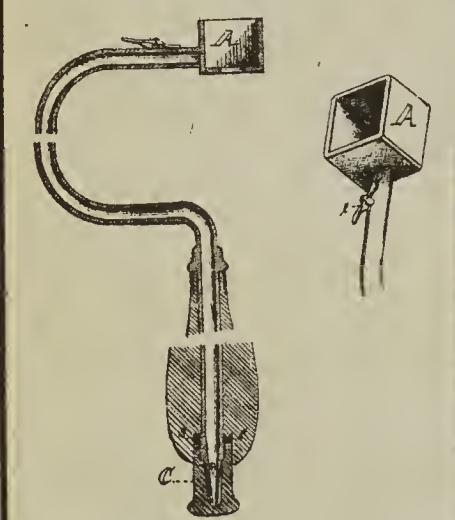
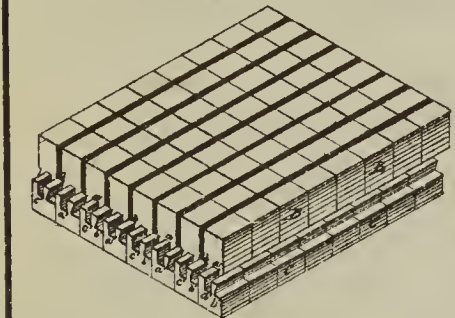


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OPERATING ORDNANCE.

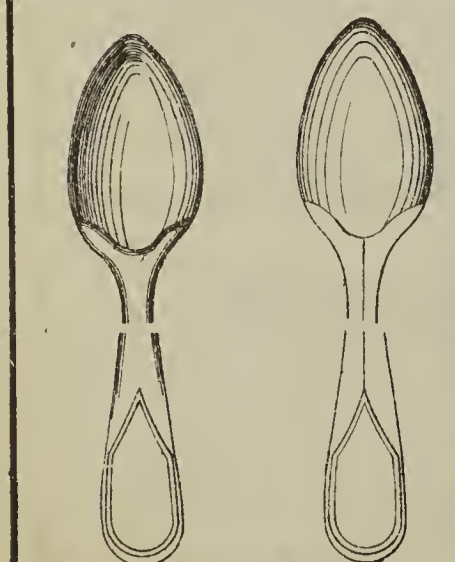
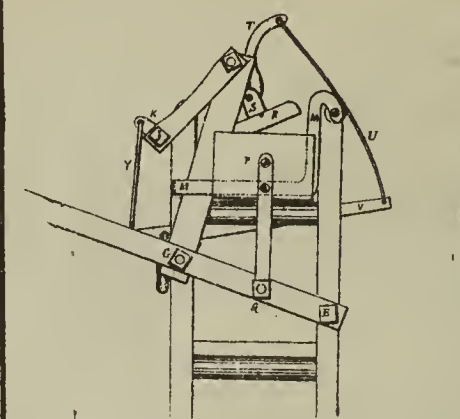
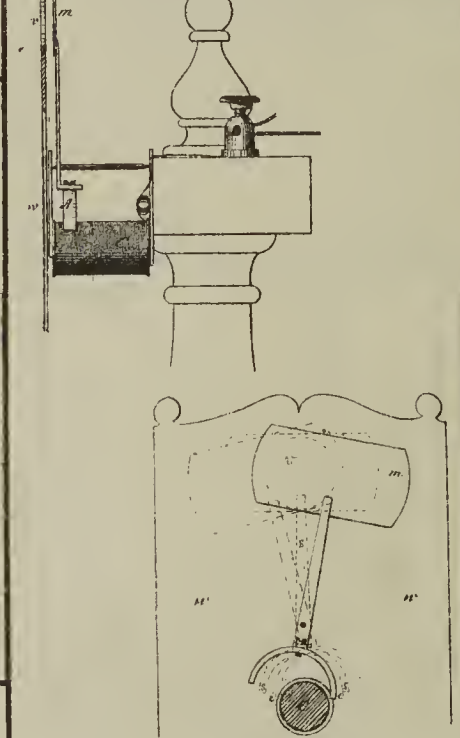
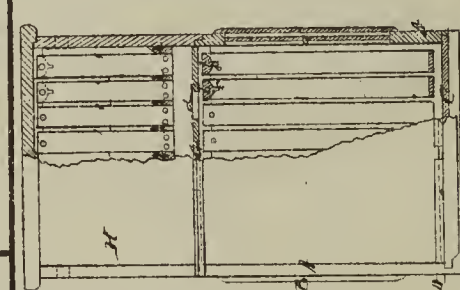
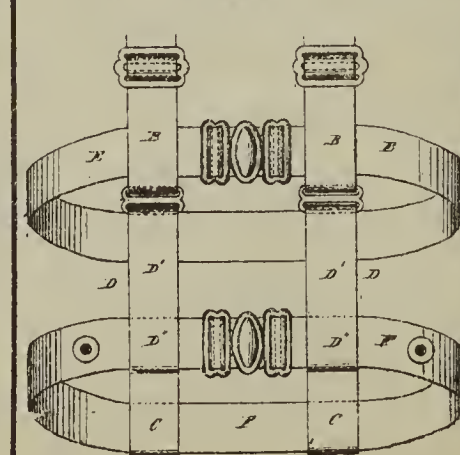
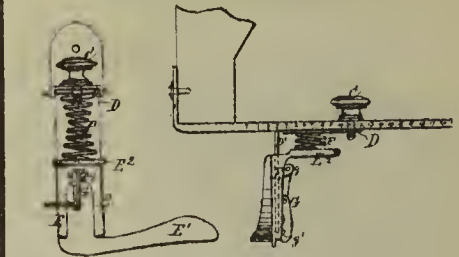
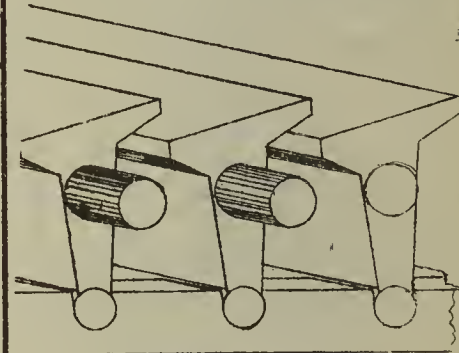
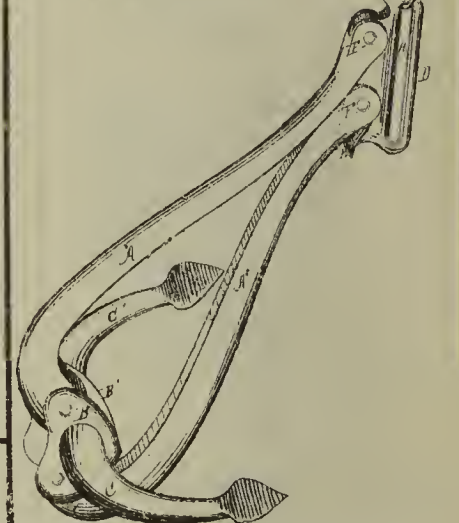
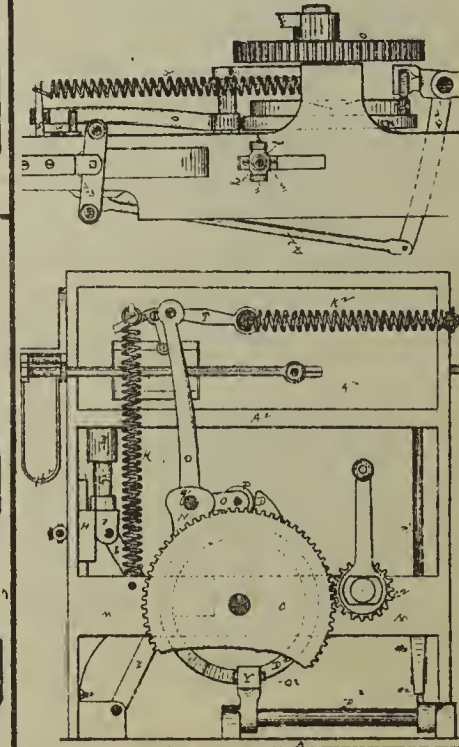


112,235, SEYMOUR FOSTER.
CLOTHES-RUBBERS.

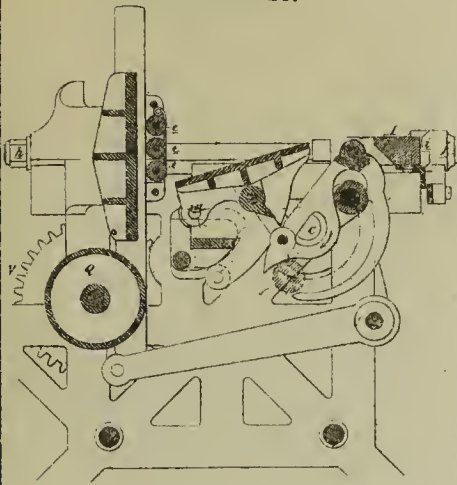


112,236, GEORGE FRY.
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NECK-TIE RETAINERS.112,238, EDWIN B. GIFFORD.
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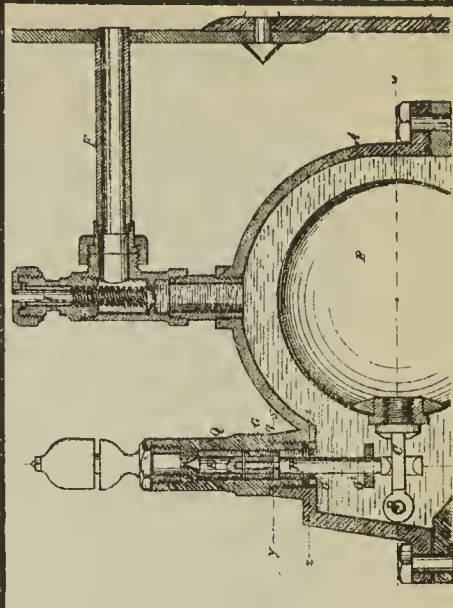
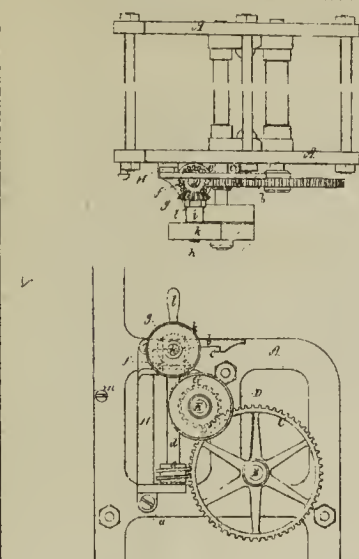
112,240, F. GROSJEAN, SPOONS.

112,241 PHILLIP P. GROSS.
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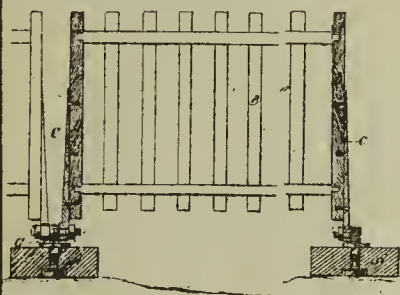
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PRINTING-PRESSES.



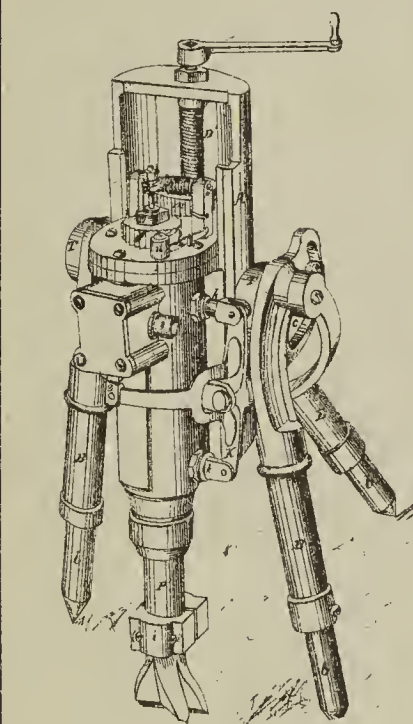
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MACHINES FOR WARPING YARN.



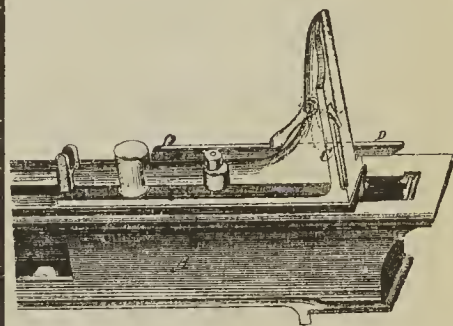
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FLOOD-FENCES.



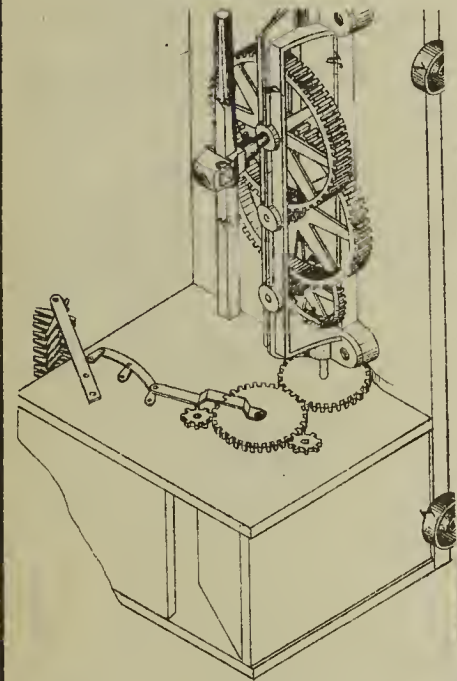
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ROCK-DRILLS.



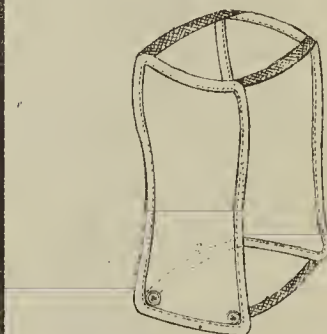
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HEAD-BLOCKS FOR SAW-MILLS.



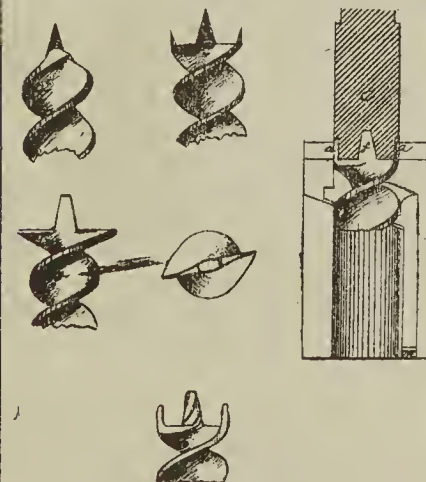
112,251, JAMES W. HUNTOON.
HORSE-POWERS.



112,258, PETER LEAR.
CHEST-PROTECTORS.



112,255, WM. A. IVES.
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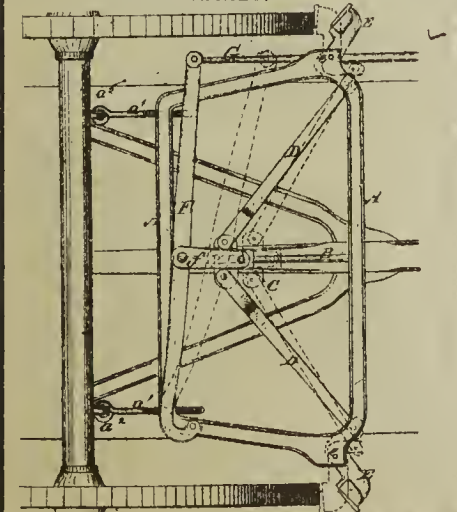


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SOAP COMPOUNDS.

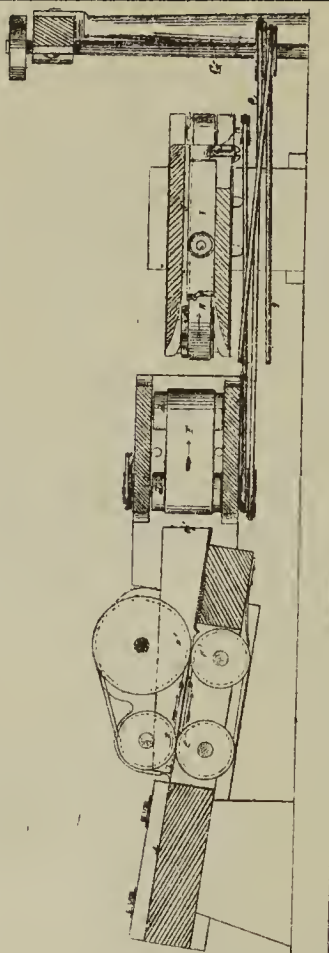
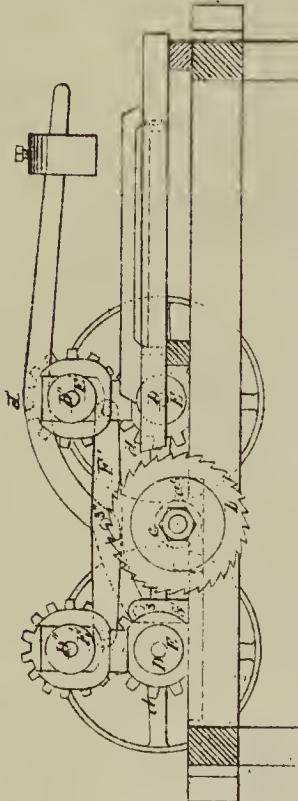
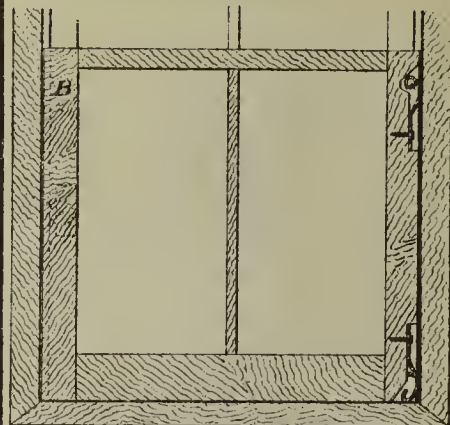
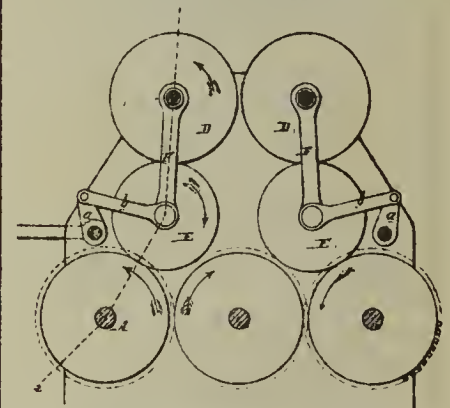
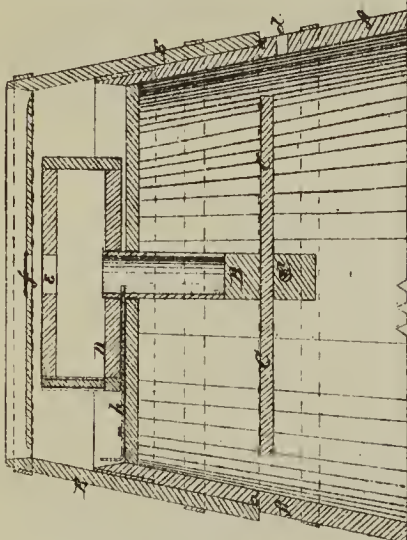
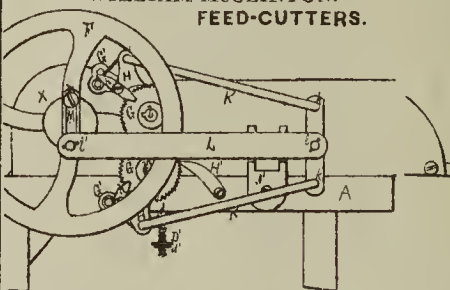
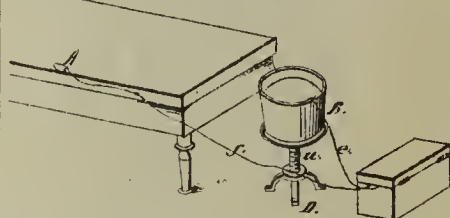
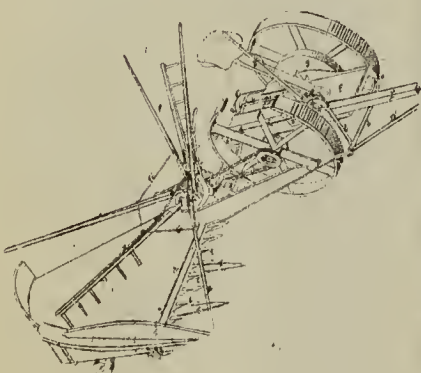
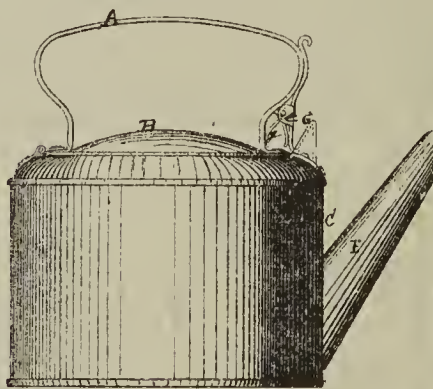
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STOVE-PIPE DAMPERS.



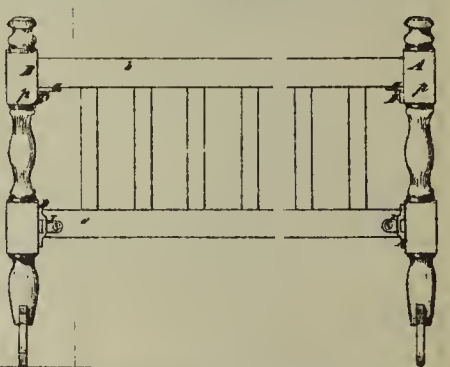
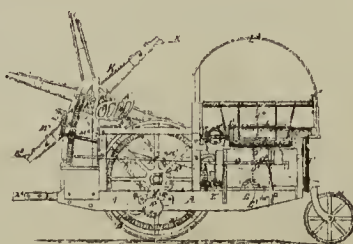
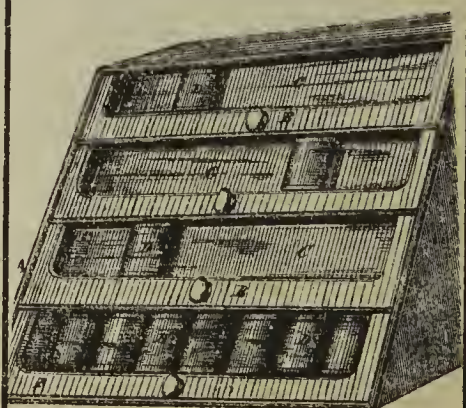
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WAGON-BRAKES.



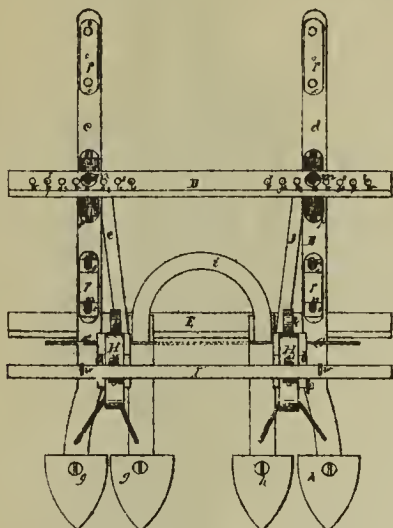
112,256, HIRAM KIMBALL.
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112,261. JOHN C. MACKAY.
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SASH-HOLDERS.112,269. WILLIAM H. MERRICK.
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WILLIAM A. SHEPARD.
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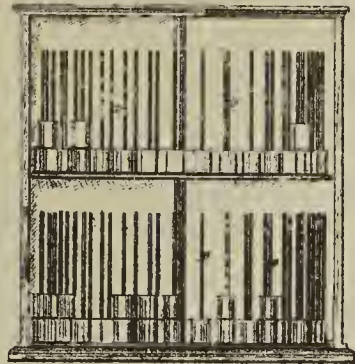
112,271. RICHARD W. MYERS. CRADLES.

112,267. JOHN M. McKESSON.
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SPOOL SHOW-CASES.112,264. JOHN McADAMS.
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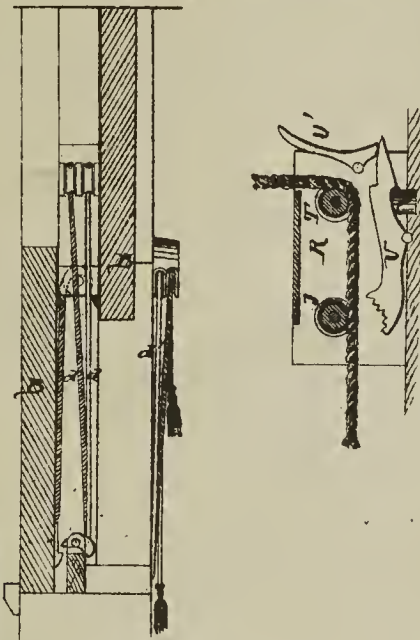
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COUPLINGS FOR PLOWS



112,277, ALEXANDER C. PHILLIPS.
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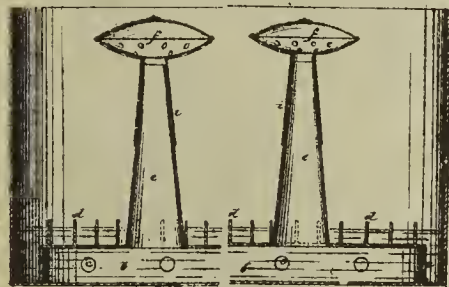
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LOCKING DEVICES FOR WINDOW-CORDS.



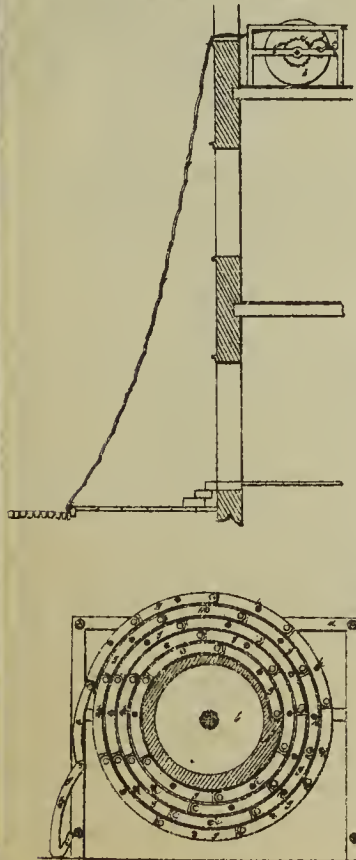
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CASE-SHOT.



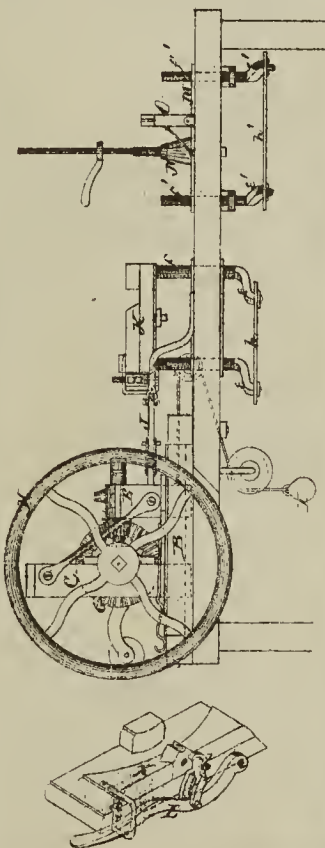
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WASH-BOILERS.



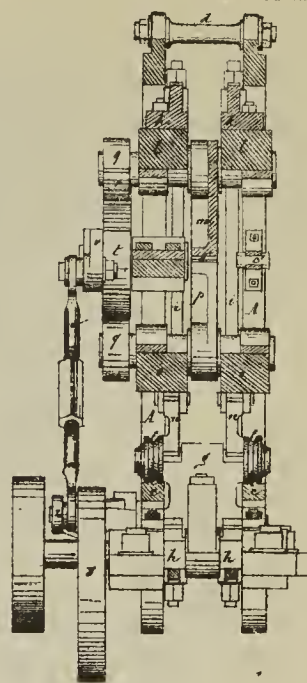
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FIRE-ESCAPE LADDERS.



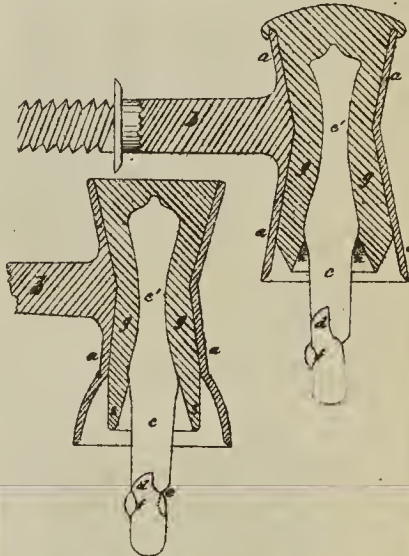
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THOMAS E. PIERCE.
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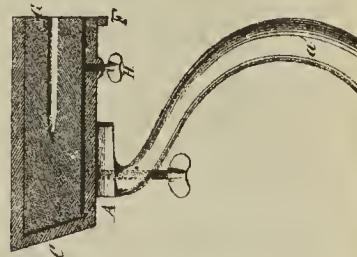
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NAIL-MACHINES.



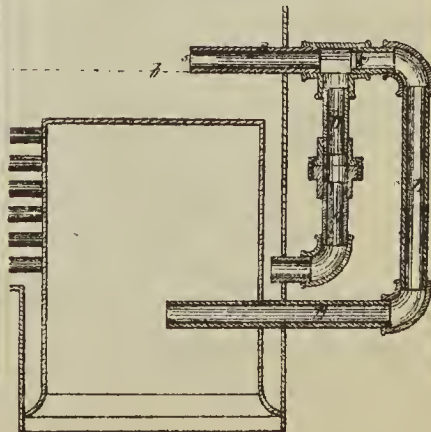
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INSULATORS FOR TELEGRAPH-WIRES.

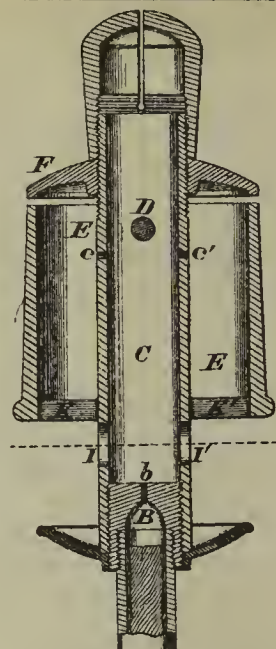
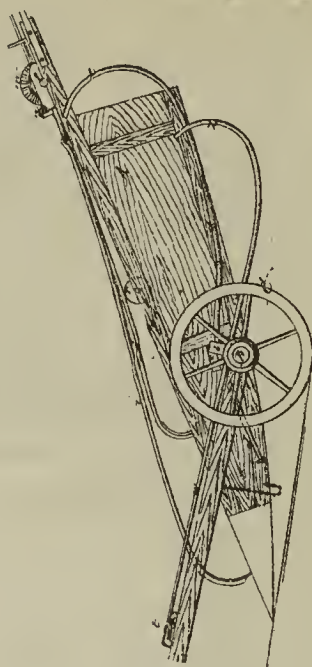
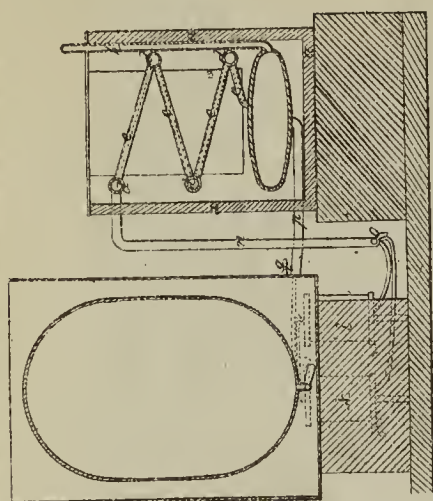
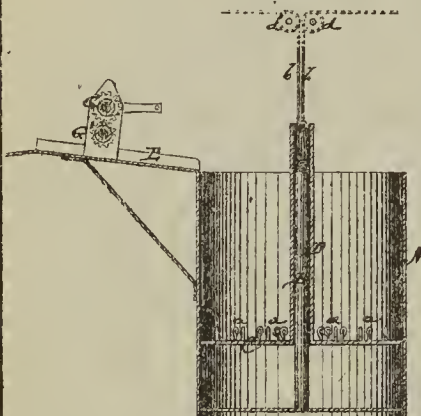
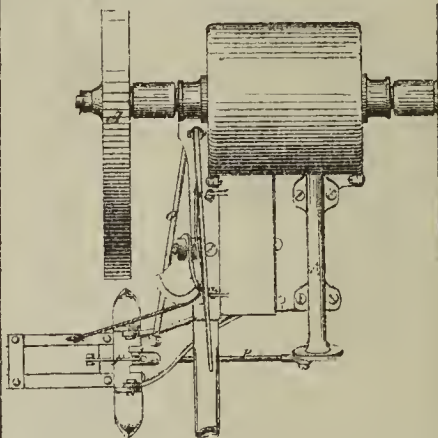
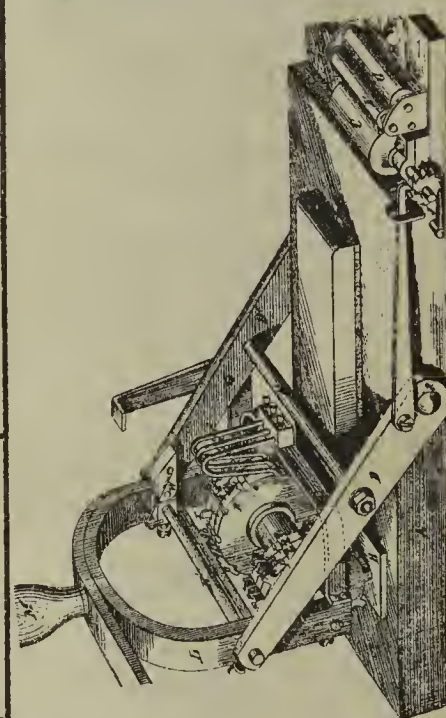
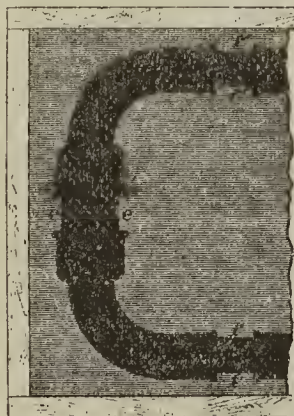
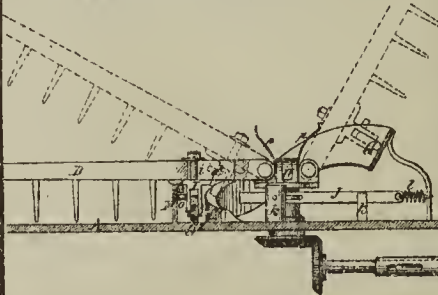
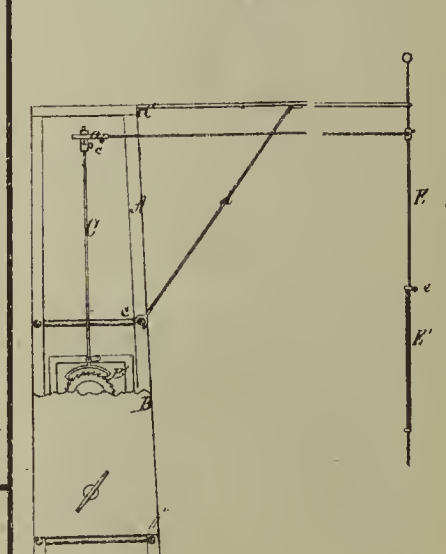
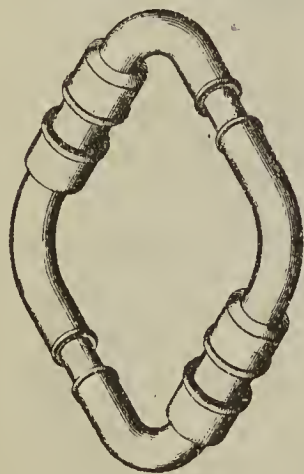
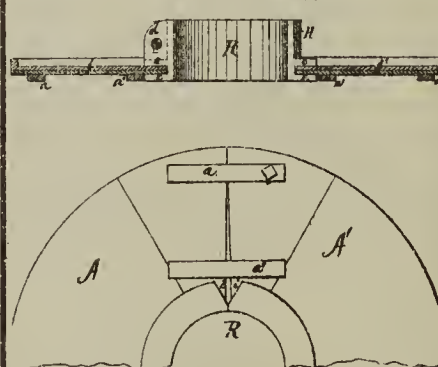
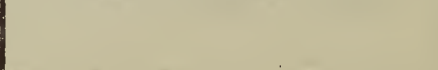


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SAD AND FLUTING-IRONS.

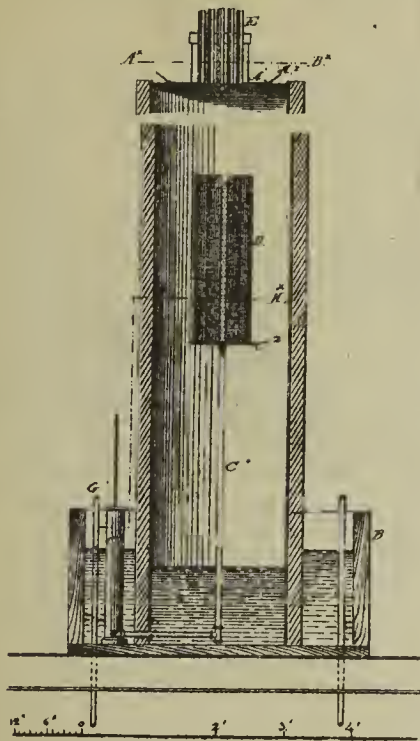


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JOHN C. CHAPMAN.
SAFETY-PLUG ATTACHMENTS
TO STEAM-BOILERS.

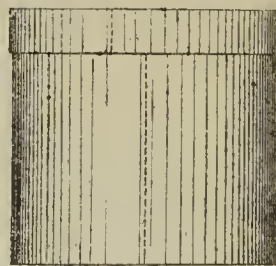
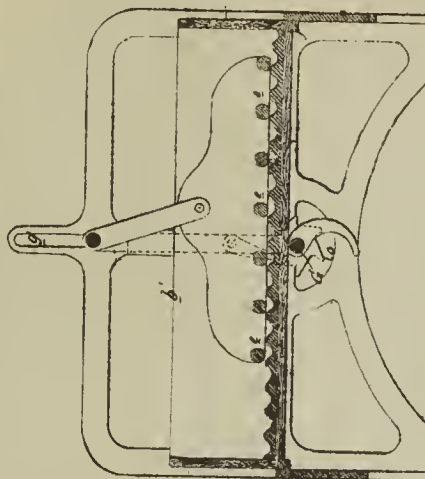


112,284. ADOLPHE ROCK.
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JOHN J. KEETON.
SELF-LOADING SCRAPERS.112,291, JAMES SHAY.
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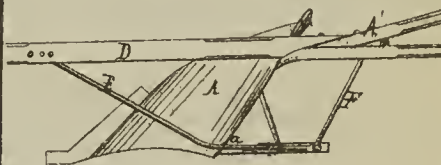
112,294 D. E. SOMES.
COOLING, FREEZING, AND PRESERVING
SOLIDS, LIQUIDS, AND GASES.



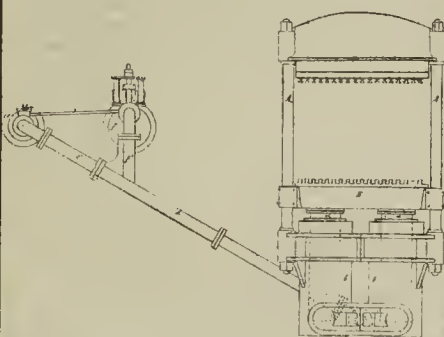
112,297 JOHN TAYLOR.
WASHING-MACHINES.



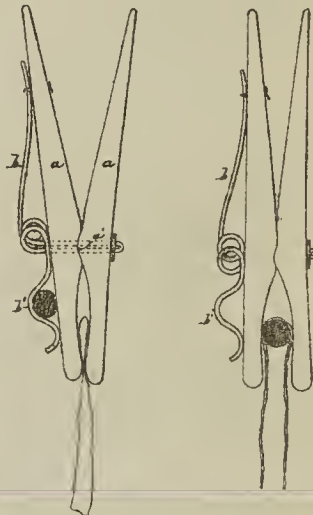
112,302 HARVEY WASHBURN.
PLOW.



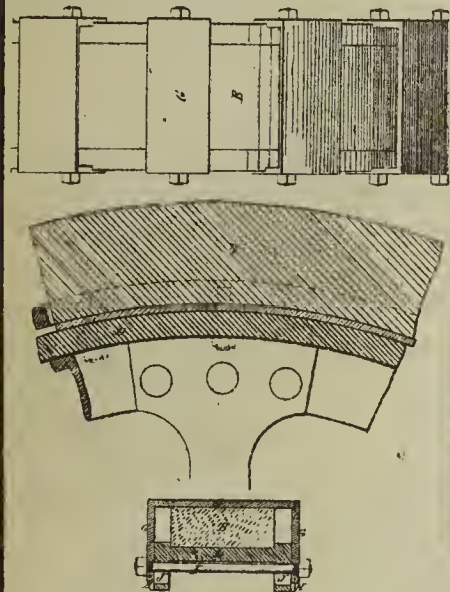
112,298. JOHN F. TAYLOR.
STEAM AND HYDRAULIC-PRESSES.



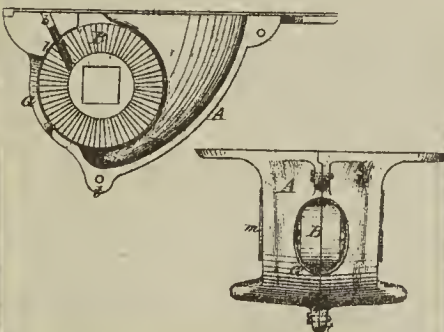
112,303 HIRAM J. WATTLES.
CLOTHES-PINS.



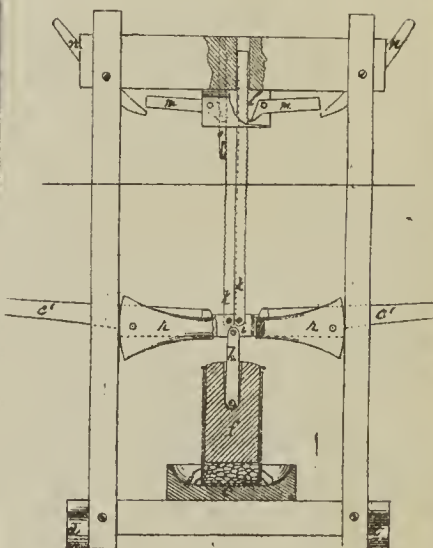
112,295, LOUIS STERNE.
RUBBER TIRES FOR STEAM-CARRIAGES.



112,299, JOHN H. THOMAS.
GRAIN-DRILLS.



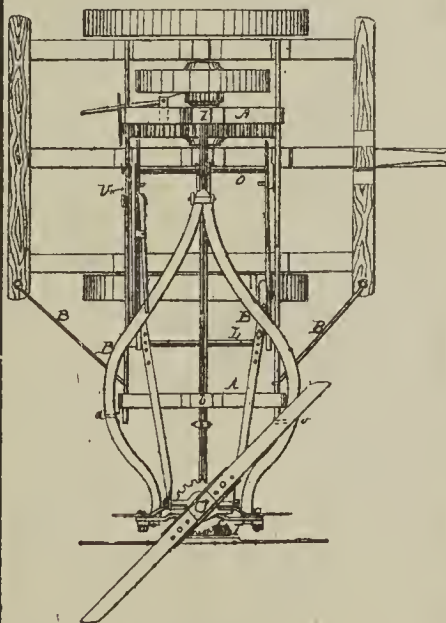
112,304, GABRIEL J. WELLS
FRUIT-PRESSES.



112,296 JOHN H. STEVENSON.
SAW-JOINTERS FOR CIRCULAR-SAWS.



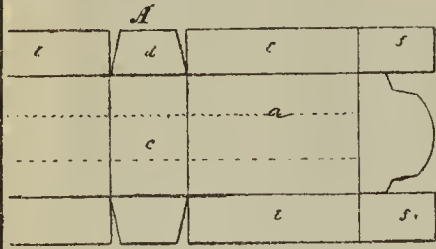
112,300 JAMES M. VANNOSDALL.
OLIVER W. VANNOSDALL.
HEDGE-TRIMMERS.



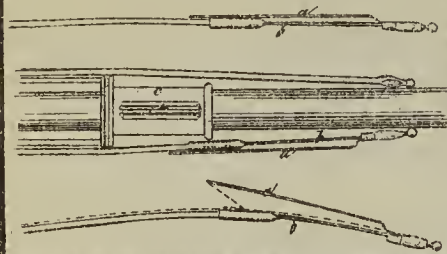
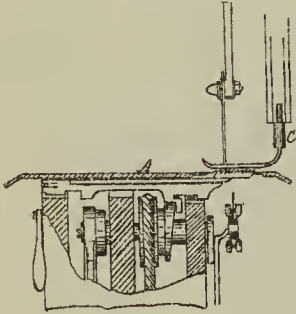
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CARTRIDGES.



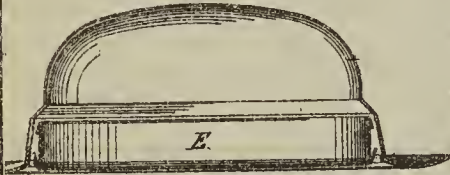
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CONSTRUCTION OF WOODEN BOXES.

112,306, JOHN WARREN WILCOX.
PAPER BOXES.

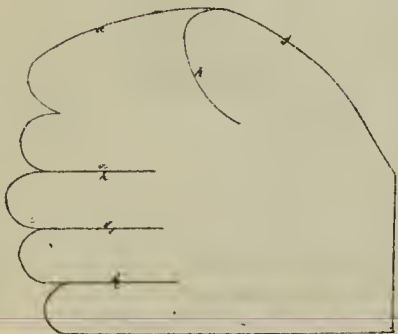
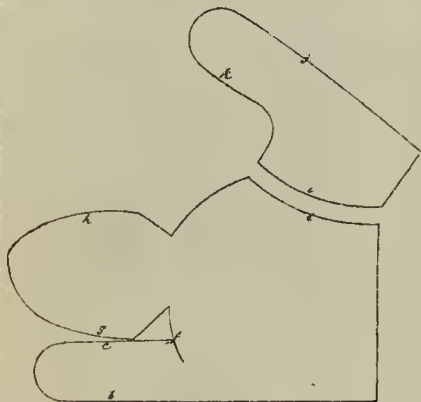
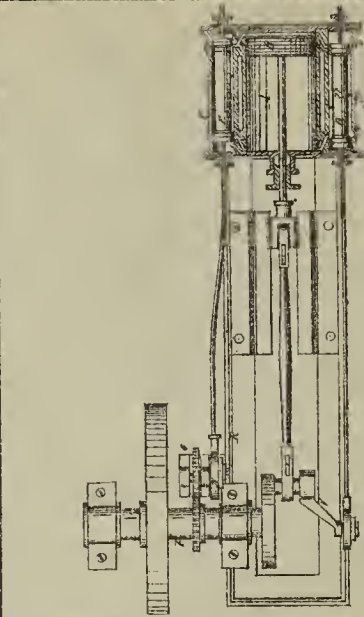
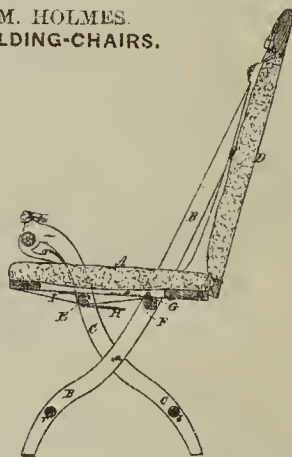
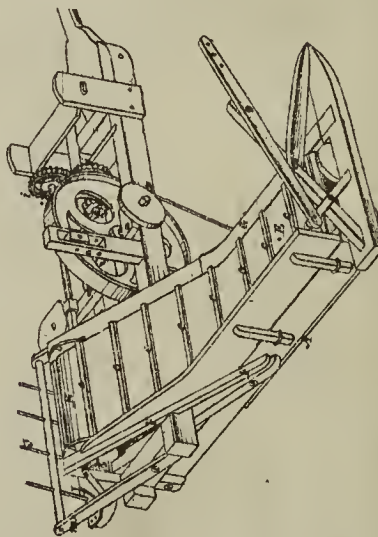
112,307, JAMES WILLIS. UMBRELLAS.

112,308, WILLIAM C. WINTERS.
SEWING-MACHINES

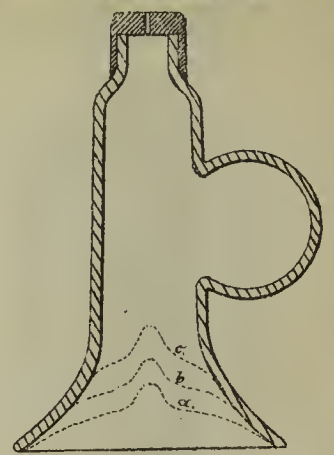
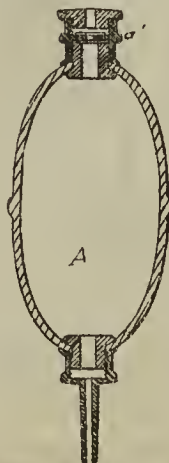
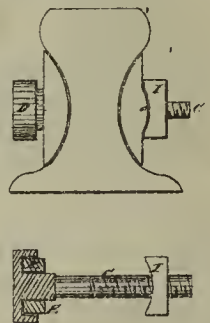
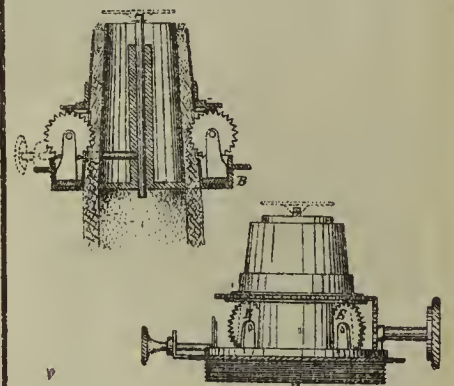
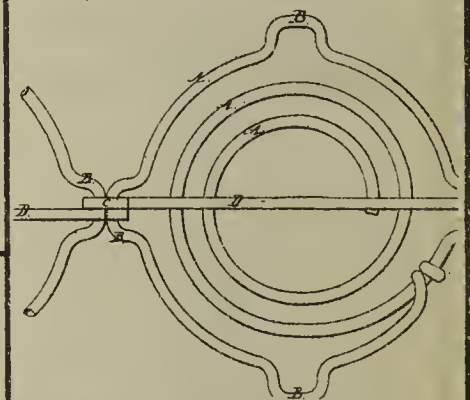
4,277, JOHN P. BEATTY. HATS.



4,278, E. D. BURR. GLOVES.

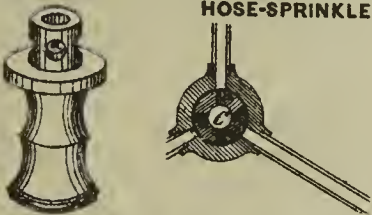
4,279, PHILIP ESTES.
STEAM-ENGINES.4,280, F. M. HOLMES.
FOLDING-CHAIRS.4,281, HENRY F. MANN.
HARVESTERS.

4,282, M. MATTSON. BREAST-PUMPS.

4,283, JOHN MILLER, JR.
LOCK-NUTS.4,284, ALBERT H. NORTH.
LAMPS.4,285, CHARLES RICH
SPRINGS FOR BEDS, &c.4,286, WENDELL WRIGHT.
SECURING SPRINGS IN UPHOLSTERY.

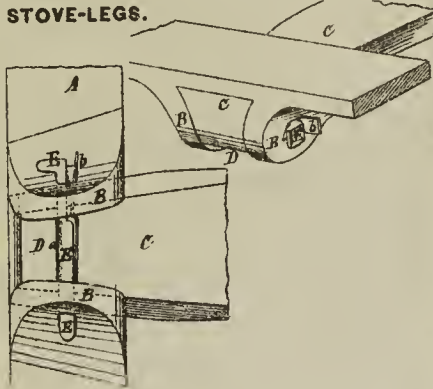
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MARCH 7, 1871.

112,309. WILLIAM ANDERSON.
HOSE-SPRINKLERS.

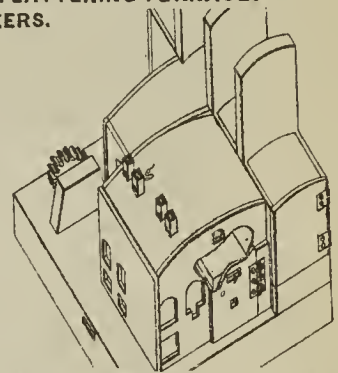


112,314. JAMES BIROKHEAD, JR.

STOVE-LEGS.



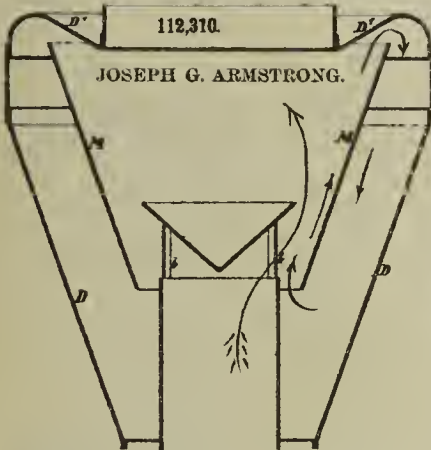
his
JAMES + CLABBY. 112,322,
mark.
GLASS-FLATTENING FURNACES
AND LEERS.



LOCOMOTIVE SPARK-ARRESTERS.

112,310.

JOSEPH G. ARMSTRONG.



ORRIS A. BISHOP. CLOTHES-PINS.

112,315.

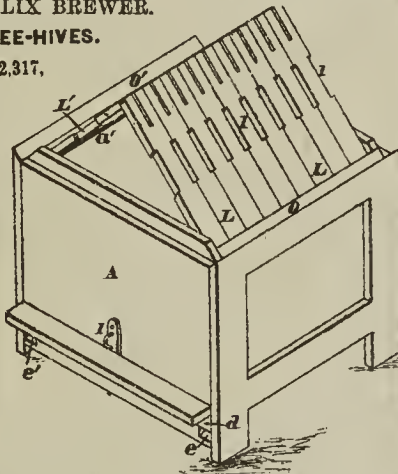


112,316,
VICTOR G. BLOEDE. MANUFACTURE
OF ROCHELLE SALTS AND BORAX.

FELIX BREWER.

BEE-HIVES.

112,317.

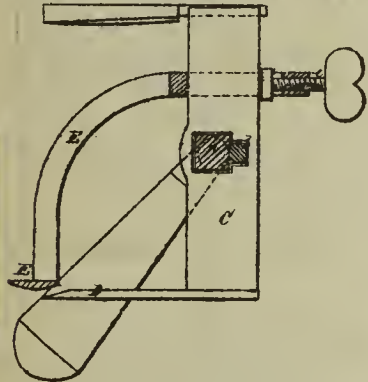


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ALEXANDER COLE.
SPRING BED-BOTTOMS.

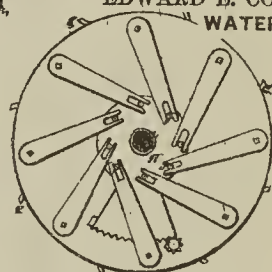


112,311. GEORGE ATKINSON.
TOOLS FOR CARRIAGE-MAKERS' USE.



112,324.

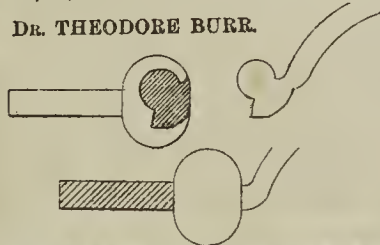
EDWARD E. COLEMAN.
WATER-WHEELS.



JOHN A. BEAL.
POTATO-PROBES.
112,312.



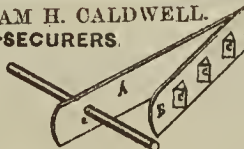
112,318. THILL-COUPPLINGS.
DR. THEODORE BURR.



112,319. FRANCIS G. BUTLER.
SACCHARINE LIQUIDS.
EVAPORATING-PANS FOR



112,320,
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DOOR-SECURERS.



112,321. RALPH B. CASWELL.
TOE-CALK BARS.

112,325,
JOHN B. CUZNER.
TOY-HORSES AND CARRIAGES.



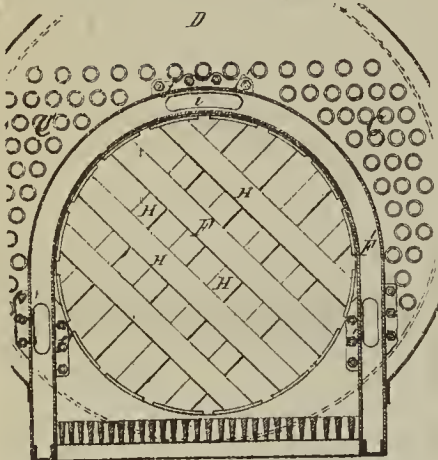
E. L. DECKER.
112,326. MACKEREL-LINE HOLDERS.



112,327. JOSEPH WM. DUFOUR.
SEWING-MACHINES.



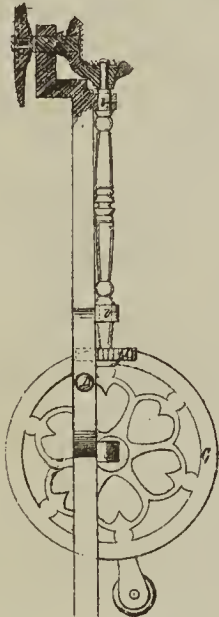
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EDWARD EVANS.
STEAM-BOILERS.

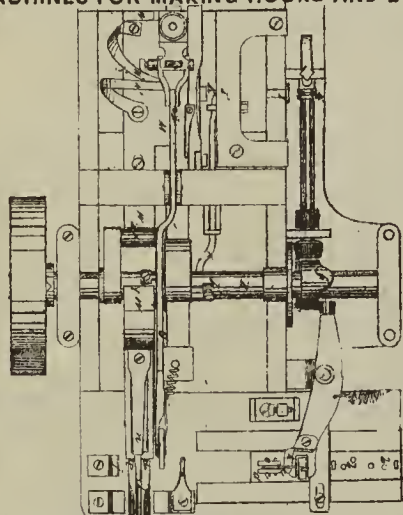
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ERASTUS FIELD.
MEDICAL COMPOUNDS FOR CURE
OF CATARRH AND ASTHMA.

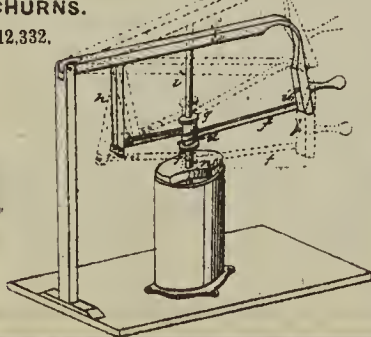
112,330.

HENRY CLAY FISK.
MACHINES FOR GRINDING
THE CUTTERS OF MOWERS, &c.

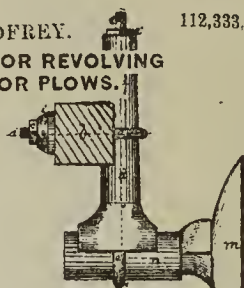
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JEREMY T. FORD.
MACHINES FOR MAKING HOOKS AND EYETHOMPSON FREEMAN.
CHURNS.

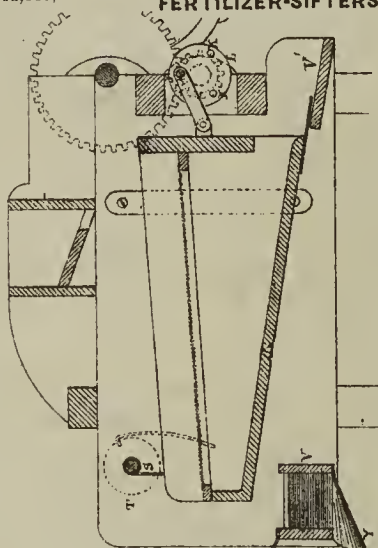
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JOSEPH S. GODFREY.
ATTACHMENTS FOR REVOLVING
MOLD-BOARDS FOR PLOWS.

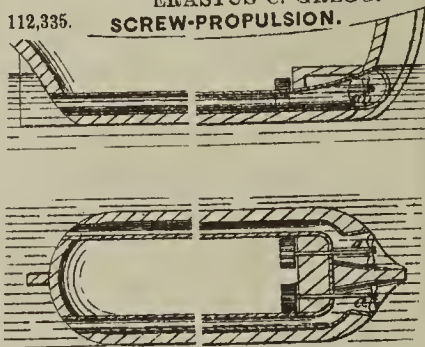
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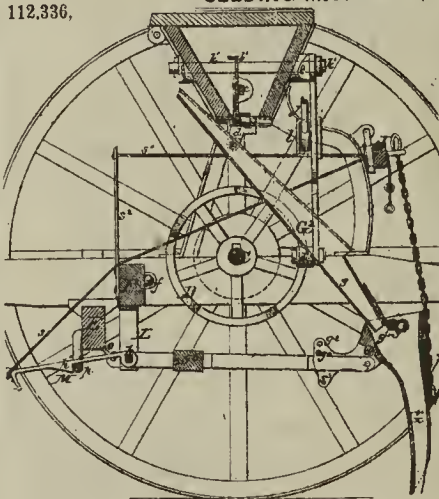
112,334,

JAMES A. GREEN.
GRAIN-CLEANERS AND
FERTILIZER-SIFTERS.

112,335.

ERASTUS C. GREGG.
SCREW-PROPULSION.PHILIP M. GUNDLAUH.
SEEDING-MACHINES.

112,336,

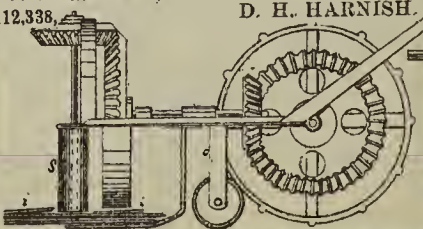


112,337,

JOSEPH L. HANNUM.
SAMUEL H. STEBBINS.
COMPOUNDS FOR KINDLING FIRES.

LAWN-MOWERS:

112,338.

B. HARNISH.
D. H. HARNISH.

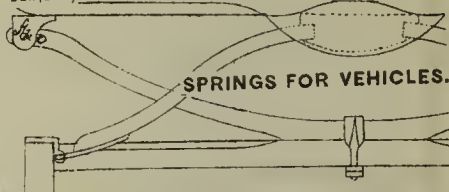
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CHARLES B. HARRIS.
COMPOSITIONS FOR PAVEMENTS.

112,340,

JOHN R. HILLER.

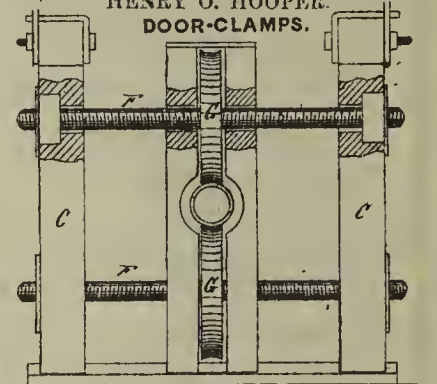
SPRINGS FOR VEHICLES.



112,341.

SOLOMON T. HOLLY.
HARVESTER-RAKES.

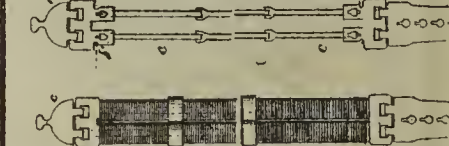
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HENRY O. HOOPER.
DOOR-CLAMPS.

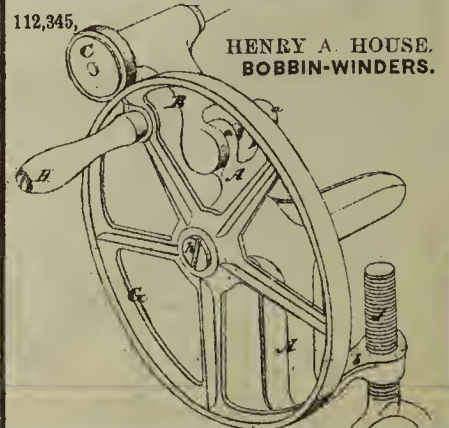
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TAPER-HOLDERS.

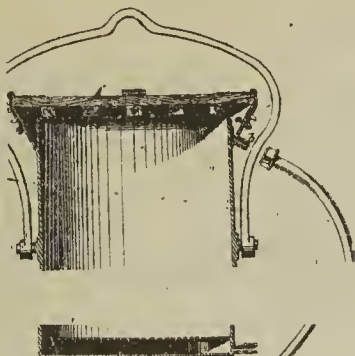
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METALLIC GARTERS.

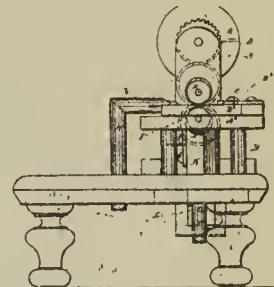
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HENRY A. HOUSE.
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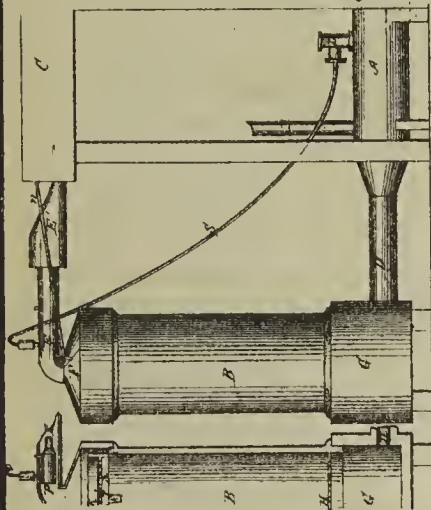
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METHODS OF KNITTING STOCKINGS.



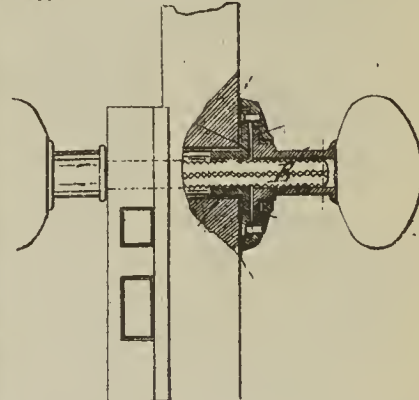
112,353 ABERDEEN KEITH.
MACHINES FOR CUTTING LEATHER.



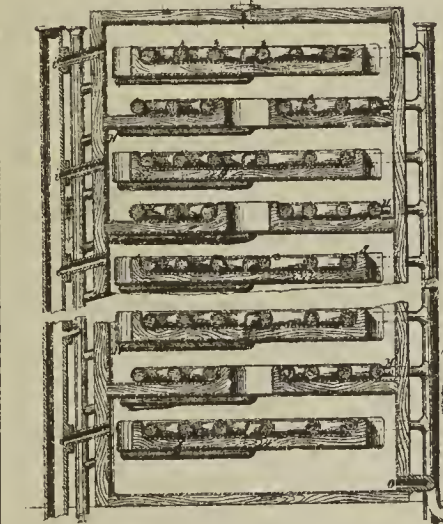
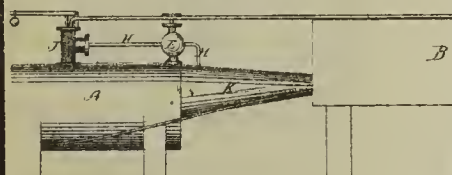
112,347. JOHN HOWARTH.
APPARATUS FOR EVAPORATING
AND CONCENTRATING LIQUIDS.



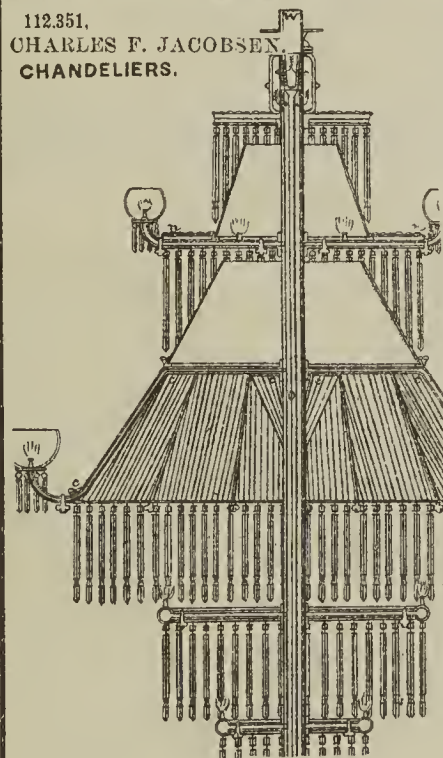
112,354. JOHN F. KELLER.
NATHANIEL SEHNER.
ATTACHING KNOBS TO THEIR SPINDLES.



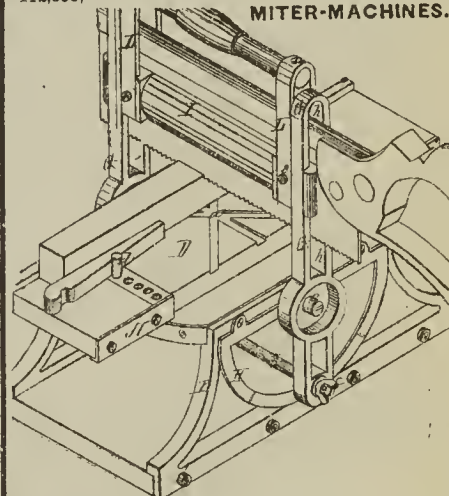
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AND CONCENTRATING LIQUIDS.
JOHN HOWARTH. 112,348,



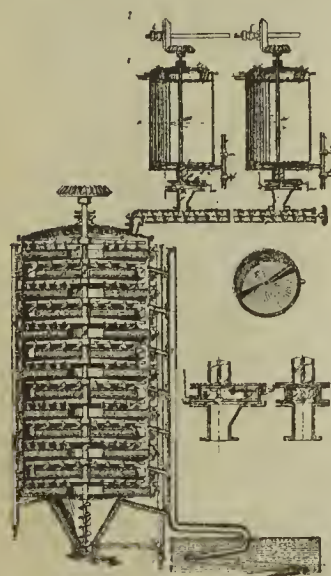
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CHARLES F. JACOBSEN.
CHANDELIERS.



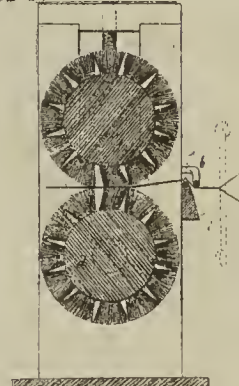
112,355. THEODORE E. KING.
MITER-MACHINES.



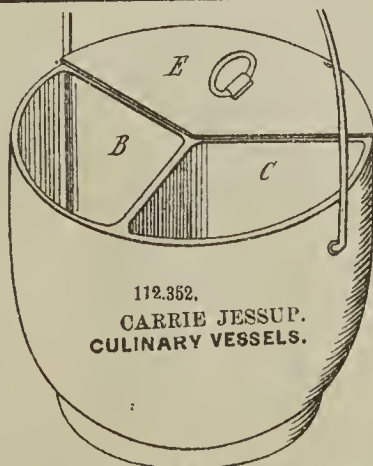
ELIAS S. HUTCHINSON.
112,349, APPARATUS FOR REMOVING
OIL FROM VEGETABLE AND OTHER
MATTERS.



112,356. JULIUS KUTTNER.
TAKE-UPS FOR CORSET-LOOMS.



112350 ELIAS S. HUTCHINSON.
APPARATUS AND PROCESSES
FOR REMOVING OIL FROM GRAIN,
SEEDS, &c.



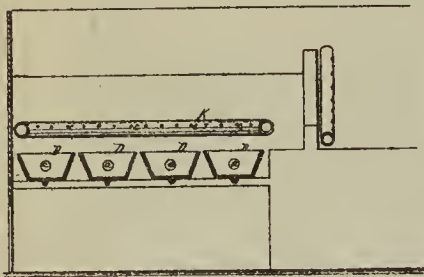
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CARRIE JESSUP.
CULINARY VESSELS.

112,357,
TIMOTHY W. LACKORE.
ELEVATORS AND CARRIERS.



112,358

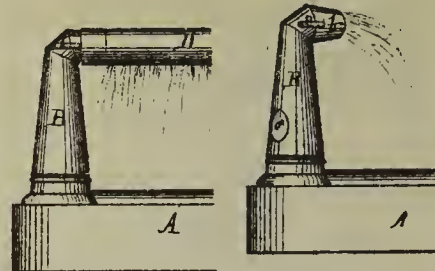
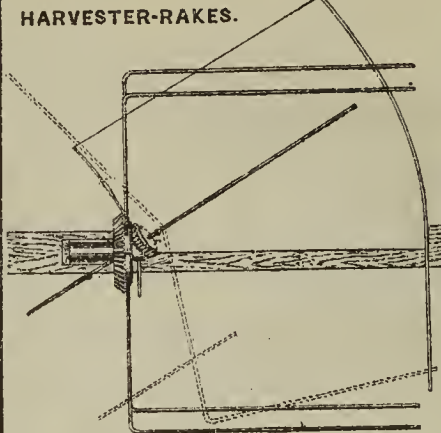
JAMES E. LEE.
APPARATUS FOR BURNING
HYDROCARBON OILS.



112,363.

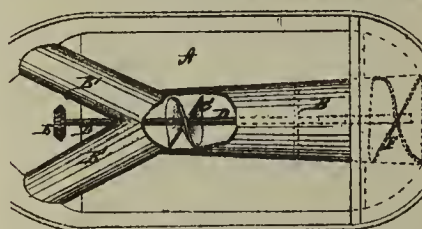
JOHN P. MANNY.

HARVESTER-RAKES.



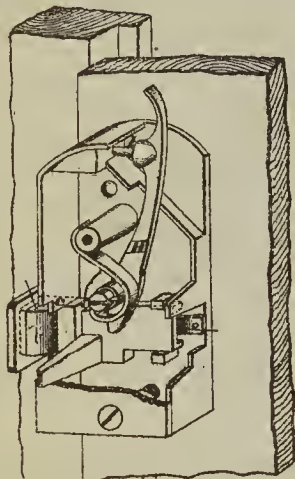
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HARRISON B. MEECH.
PROPELLING CANAL-BOATS.



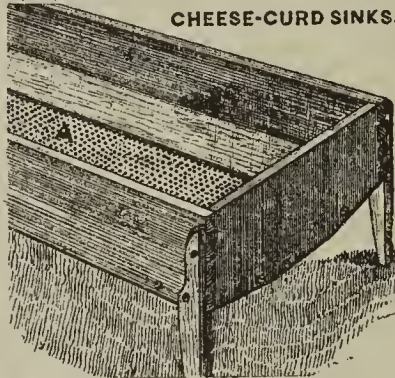
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BURGLAR-ALARMS.



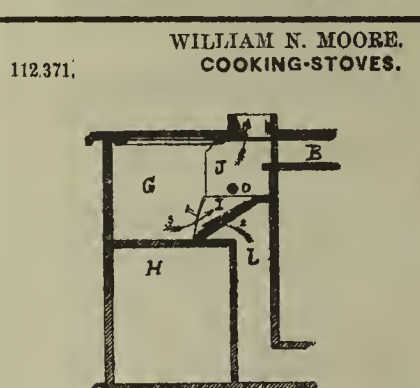
112,364.

HOMER C. MARKHAM.
CHEESE-CURD SINKS.



112,370.

PETER E. MINOR.
WATER-PROOF COMPOUNDS FOR
COATING CLOTH, WOOD, METALS,

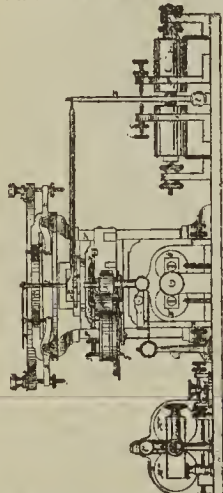


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WILLIAM N. MOORE.
COOKING-STOVES.

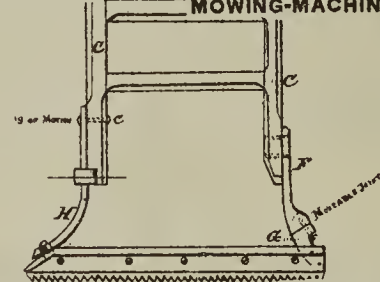
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L. T. LINDSEY.
TELEGRAPH APPARATUS.



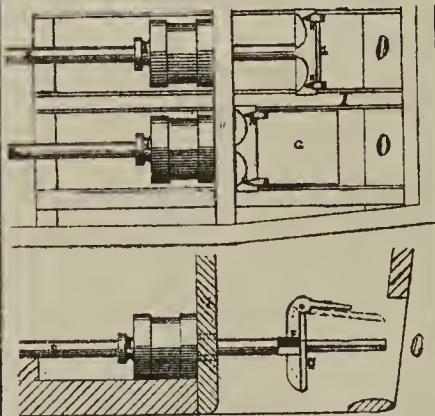
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HOMER C. MARKHAM.
DEWITT O. MARKHAM.
MOWING-MACHINES.



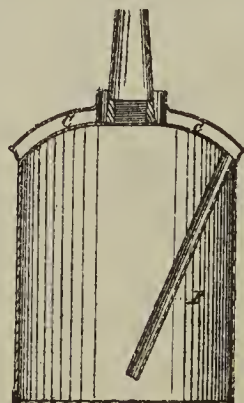
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A. J. MARSHALL.
PROPELLERS.



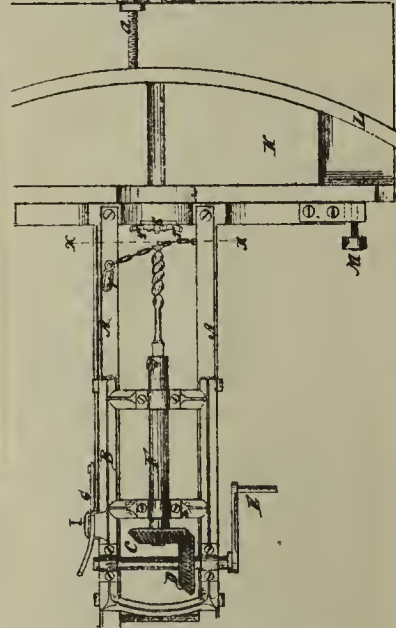
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EDWARD McDUFF.
EMORY D. FORROW.
OILERS.



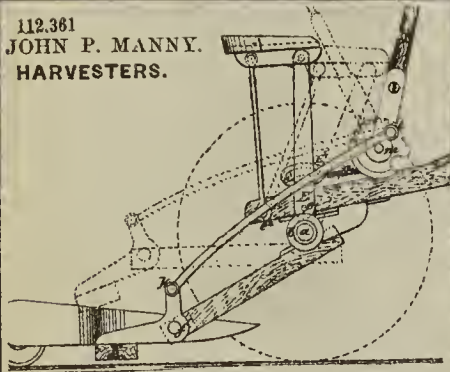
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J. HENRY PARDIECK.
BORING MACHINES.



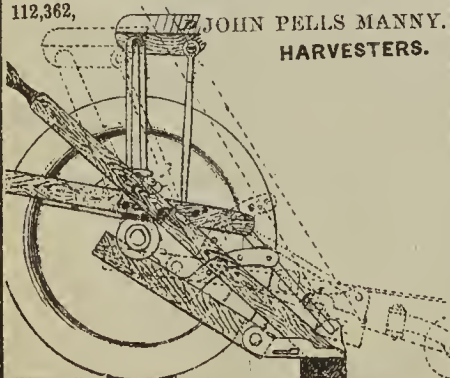
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JOHN P. MANNY.
HARVESTERS.



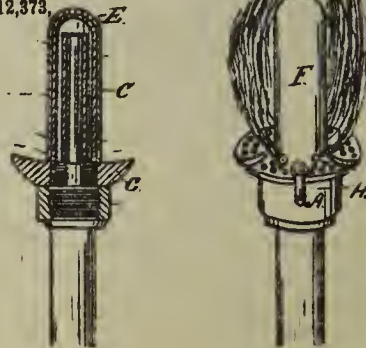
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JOHN PELL'S MANNY.
HARVESTERS.



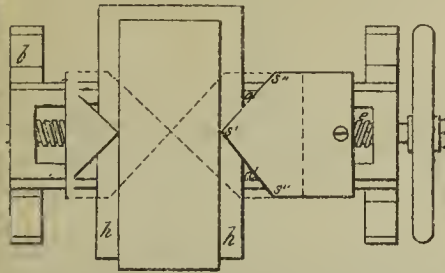
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ROBERT W. PARK.
VAPOR-BURNERS.

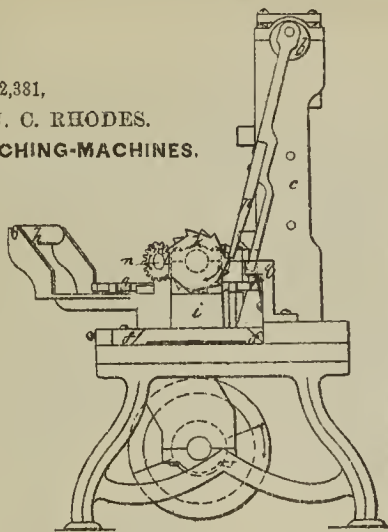


112,363 JOHN McINNES. WASH-BOILERS.

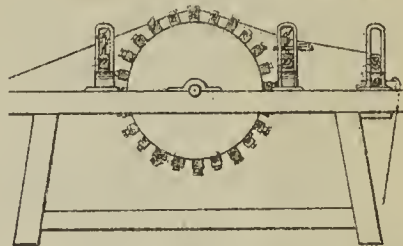
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GEO. ABEL.
POINTING BLANKS FOR
CULTIVATOR-TEETH.



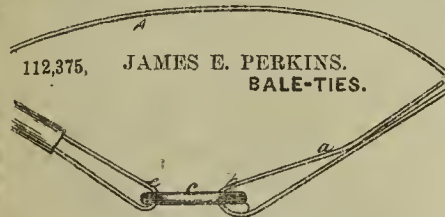
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J. C. RHODES.
PUNCHING-MACHINES.



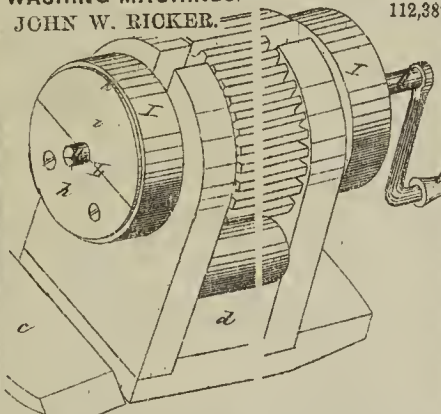
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SAMUEL SEMPLE, Sr.
JOHN SEMPLE.
SAMUEL SEMPLE, Jr.
R. A. SEMPLE.
MACHINES FOR POLISHING THREAD.



112,375, JAMES E. PERKINS.
BALE-TIES.

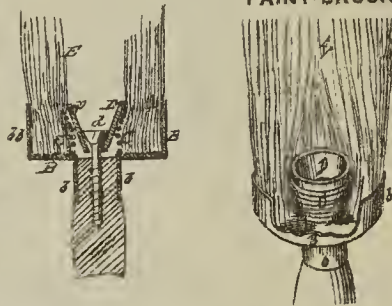


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JOHN W. RICKER.

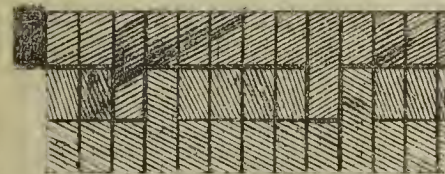


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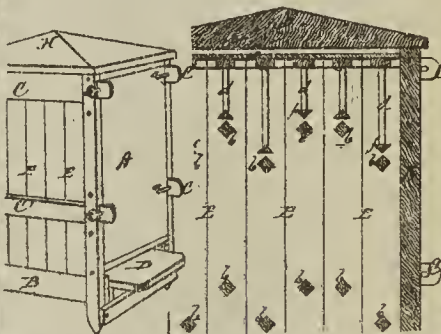
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PAINT-BRUSHES.



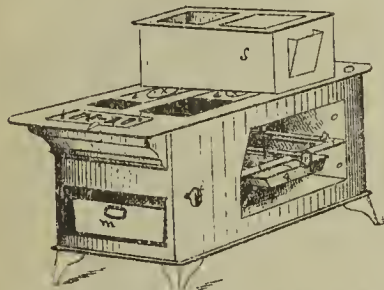
112,376, JAMES PHILLIPS.
LINING WALLS WITH FELT, &c.



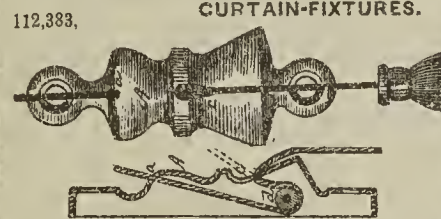
112,388, SAMUEL ARCHABALD SHORT.
FREDRICK JACKSON SHORT.
JOHN BUNION SHORT.
JASPER KILE. BEE-HIVES.



112,377, SAMUEL PIERCE.
COOKING-STOVES.



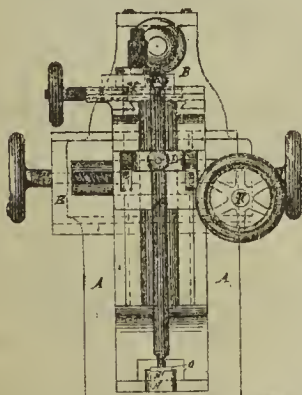
CHARLES ROBIN.
CURTAIN-FIXTURES.



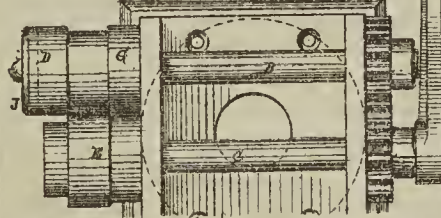
112,378 ASAHEL A. PORTER. TACKS.



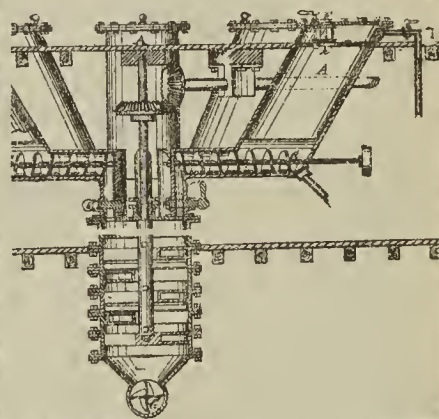
112,379, FRANCIS A. PRATT.
MACHINES FOR SHAPING AND
CUTTING GEAR-CUTTERS.



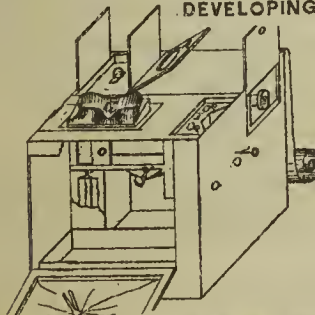
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MACHINES FOR MAKING
PRINTERS' LEADS.



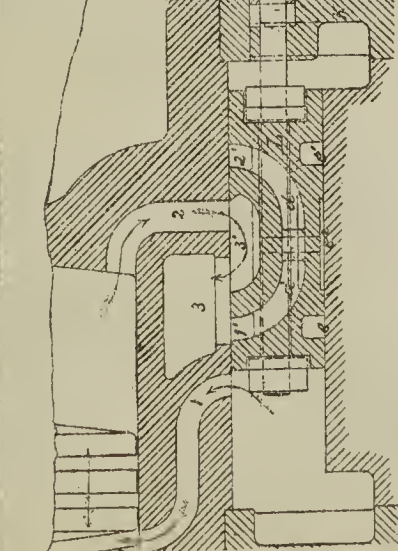
112,389, THOS. SIM.
APPARATUS FOR REMOVING OIL
FROM VEGETABLE AND OTHER
MATTERS.



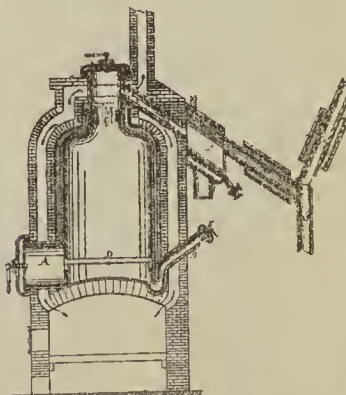
112,380, EANEAS C. RATZELL.
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DEVELOPING-BOX



112,385, COLEMAN SELLERS.

SLIDE-VALVES FOR STEAM
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112,390, THOS. SIM.
RETORTS FOR PRODUCING BISULPHIDE
OF CARBON.



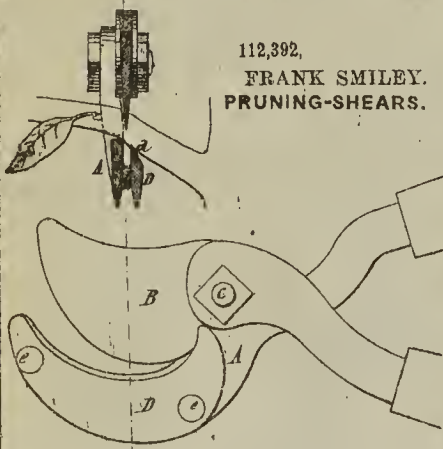
112,391

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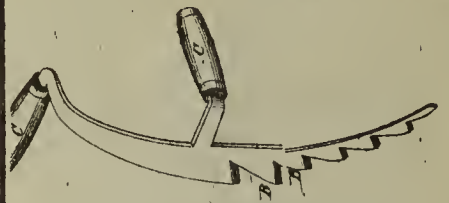
UTILIZING THE SILKY DOWN
OF THE WILD COTTON.

112,392,

FRANK SMILEY.
PRUNING-SHEARS.

112,400, GEO. F. WEYMOUTH.

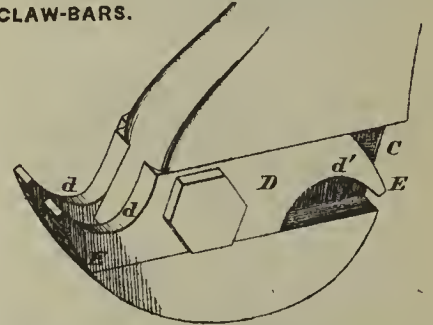
HAY-KNIVES.



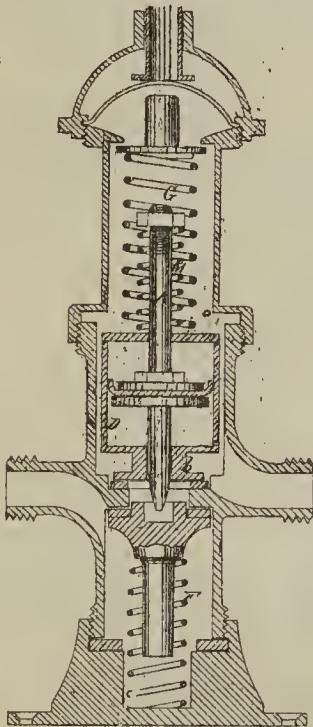
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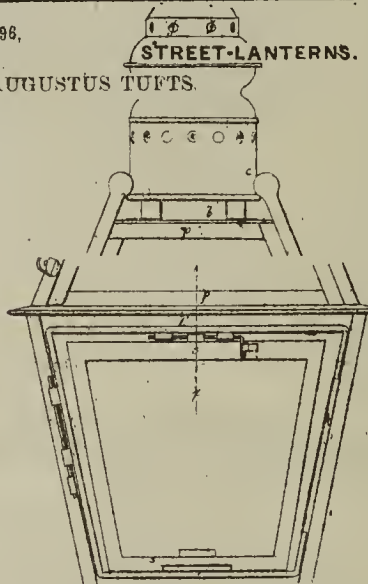
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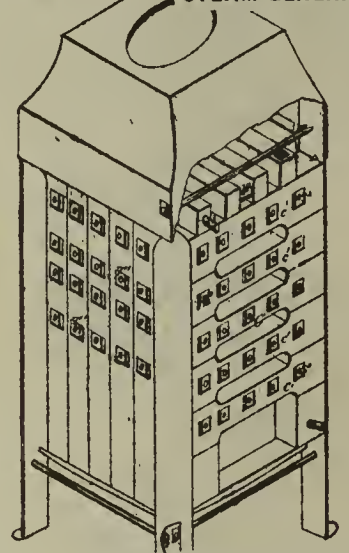
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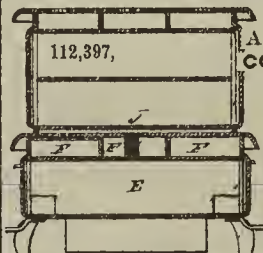
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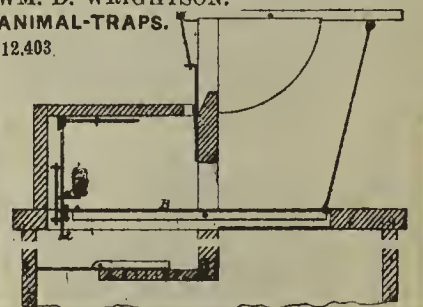
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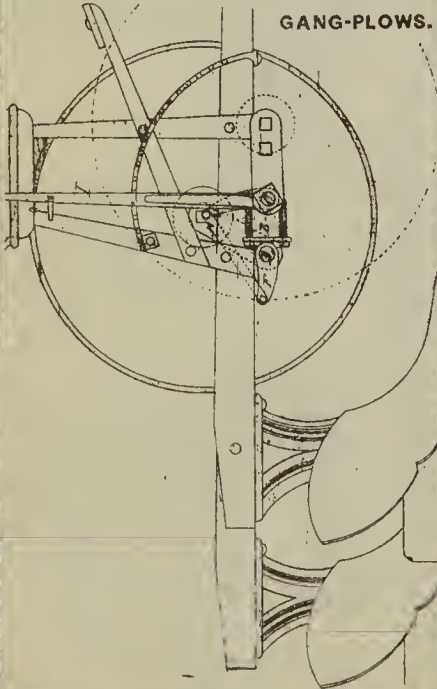
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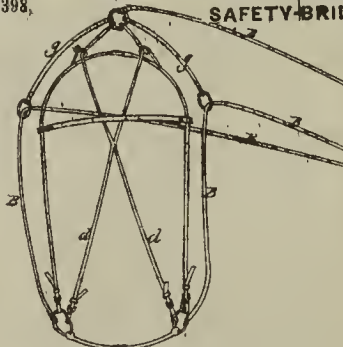
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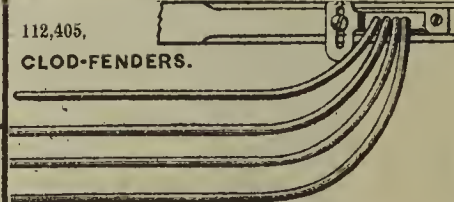
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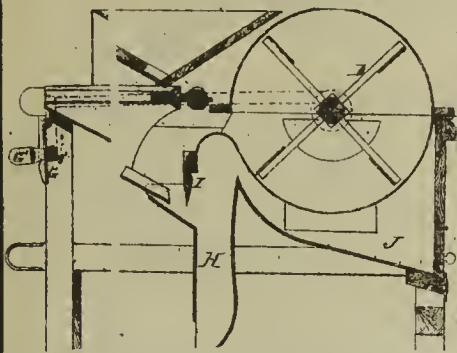
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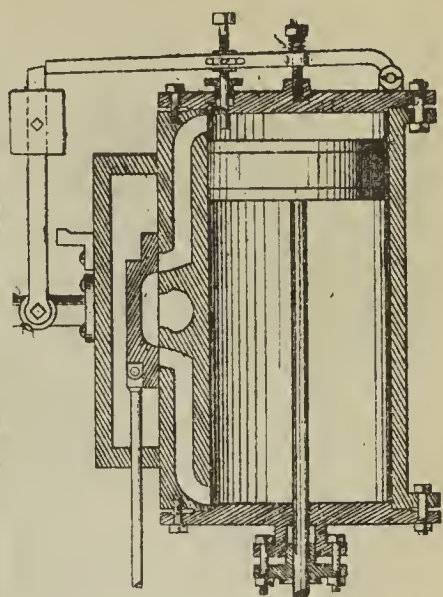
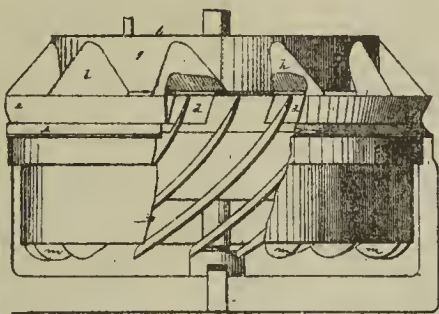
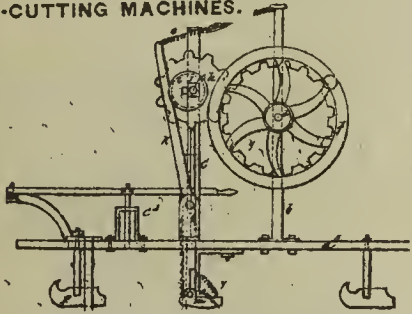
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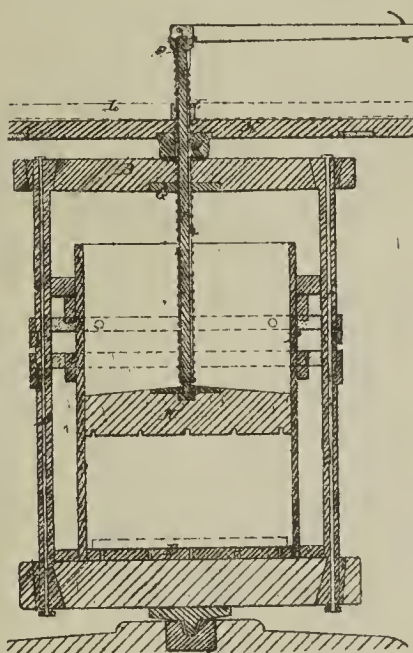
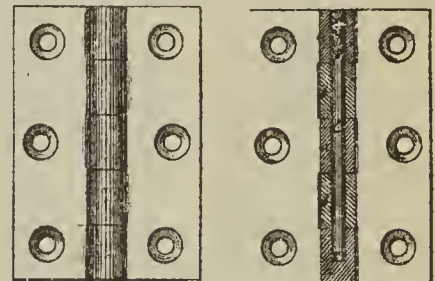
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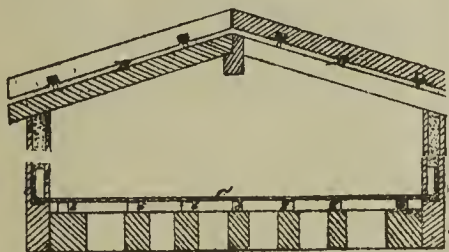
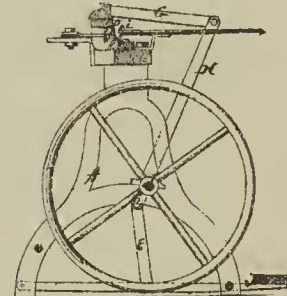
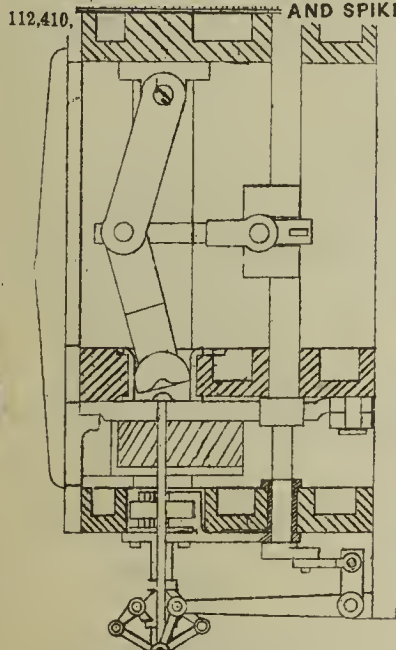
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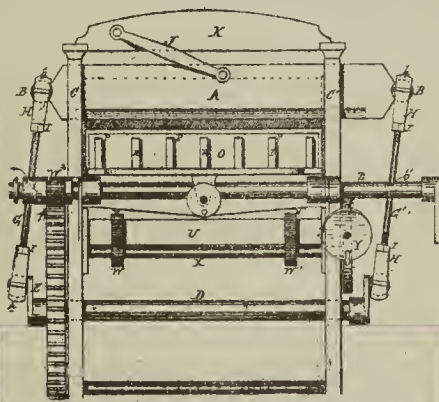
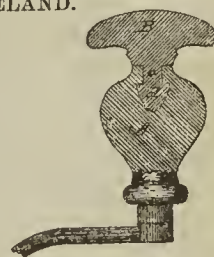
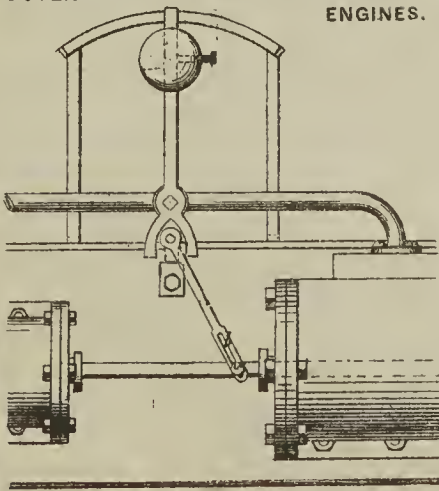
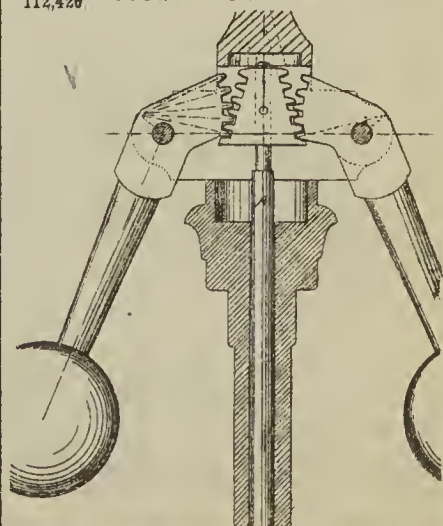
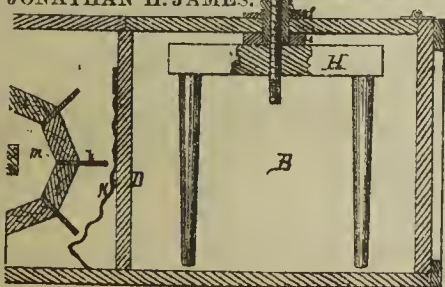
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112,417. BUTT-HINGES.

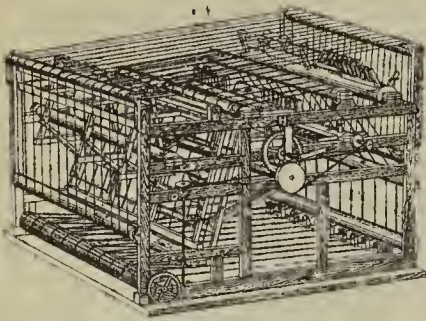
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THOMAS J. BIGGER.
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MACHINES FOR CUTTING SHEET METALREINHOLD BORKLEN.
112,410. MACHINES FOR HEADING BOLTS
AND SPIKES.

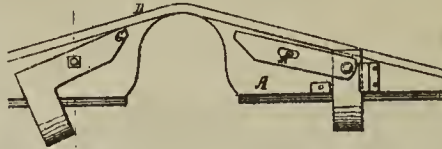
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SAMUEL BROWN.
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BIT-BRACES.A. S. CAMERON. 112,415.
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STEAM-ENGINE GOVERNORS.JOSEPH BOSWELL. WASHING-MACHINE
LEVI M. BOSWELL. 112,411.
JONATHAN PALMER.
JONATHAN H. JAMES.A. S. CAMERON.
112,416. GOVERNORS FOR DIRECT-ACTING
ENGINES.

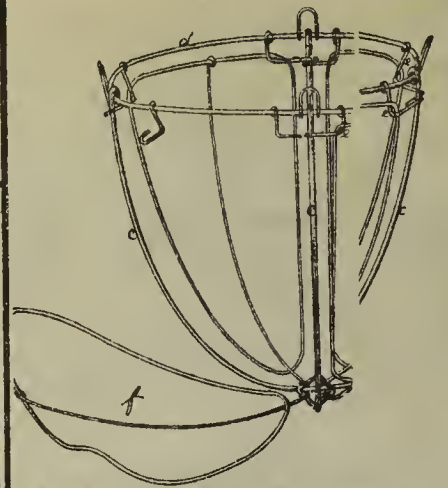
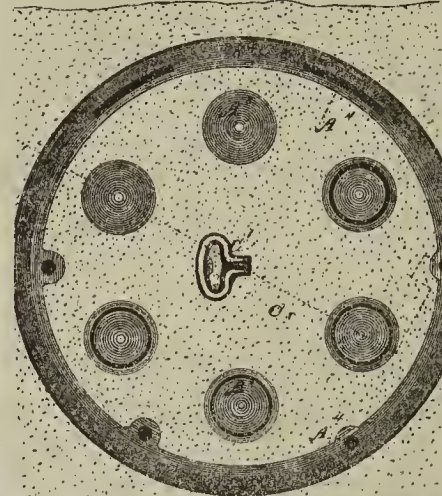
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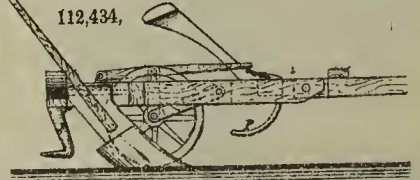


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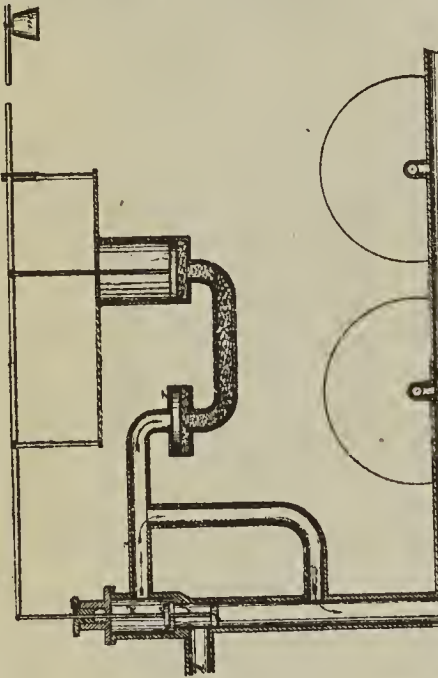


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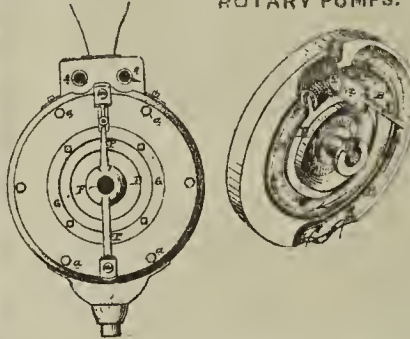


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F. O. DESCHAMPS.
ROTARY PUMPS.



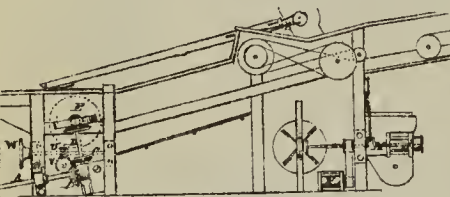
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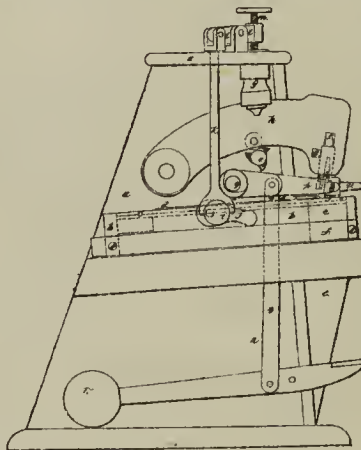
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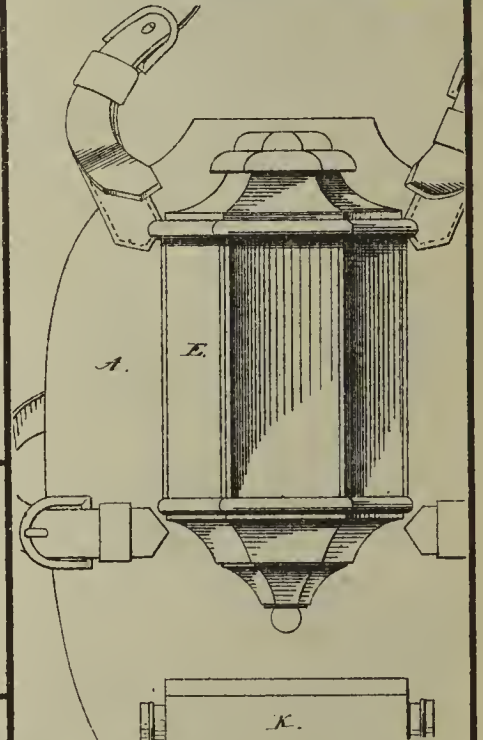
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JOHN CULHAM
GRAIN-THRASHING AND
SEPARATING-MACHINE



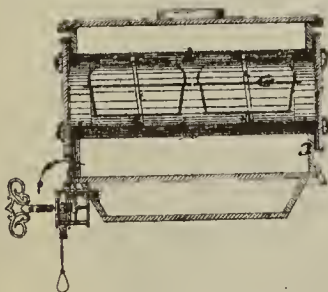
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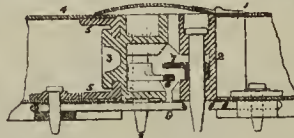
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BODY LANTERN-HOLDERS.



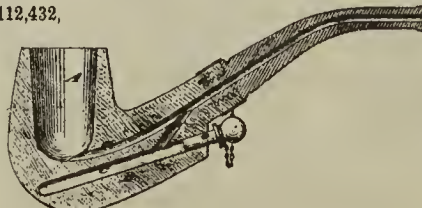
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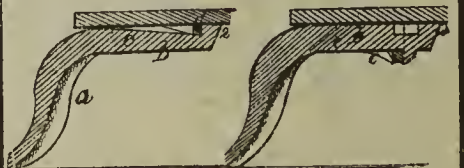
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SAMPSON GEORGE GOODALL-COPESTAKE.
COUPLINGS FOR RAILWAY CARS.



TOBACCO-PIPES. PATRICK J. DWYER.
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A. L. FINCH.
112,437
STOVE-LEGS.



LIGHTNING-RODS.
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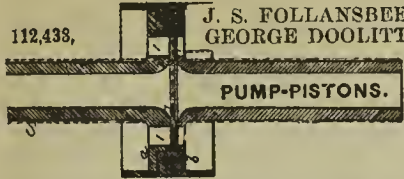


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112,433, BASKETS FOR HOUSE-PLANTS.

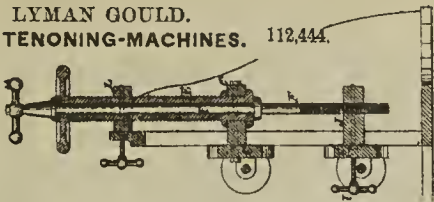
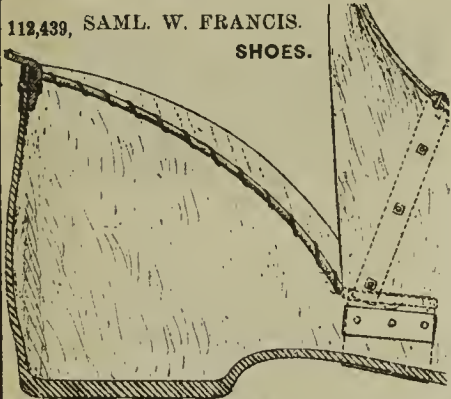
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GEORGE DOOLITTLE.

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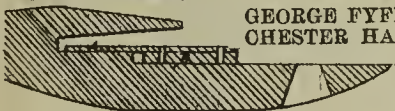
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SHOES.

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WILLIAM H. A. GRESHAM.

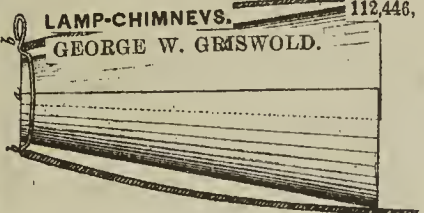
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GEORGE FYFE.
CHESTER HARD.

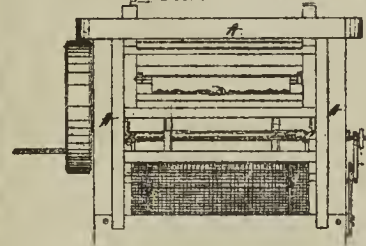
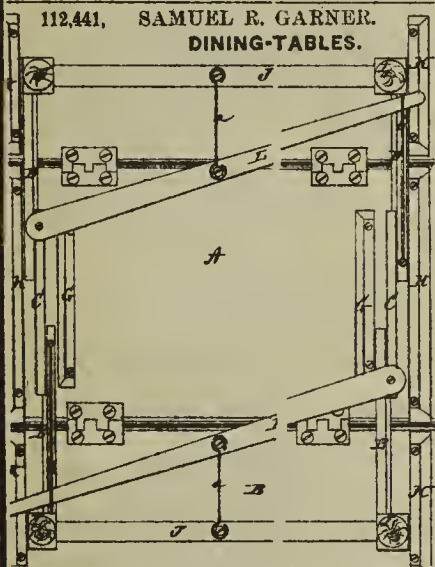
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GEORGE W. GRISWOLD.

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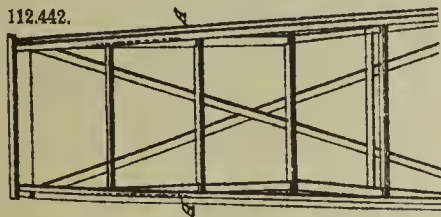


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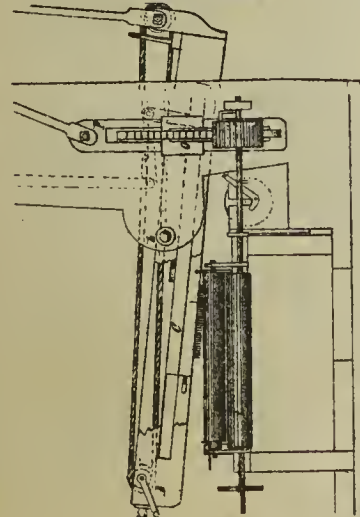
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DINING-TABLES.

M. BOLAND GEARY. STEP-LADDERS.

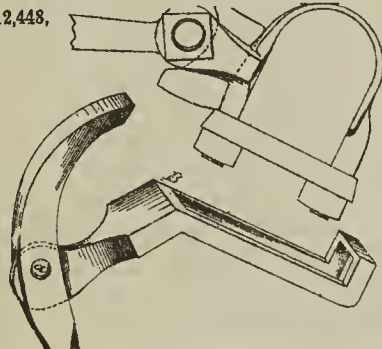
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EBENEZER A. GOODES.
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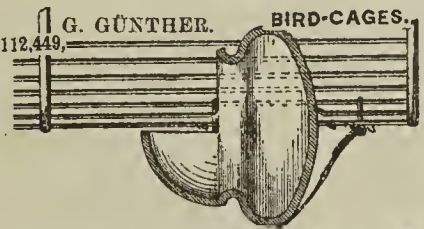
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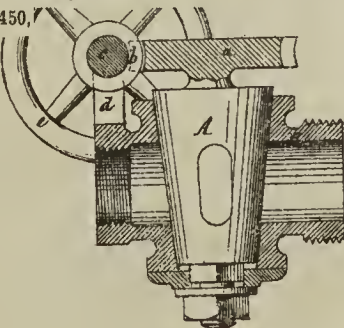
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BIRD-CAGES.

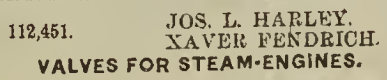


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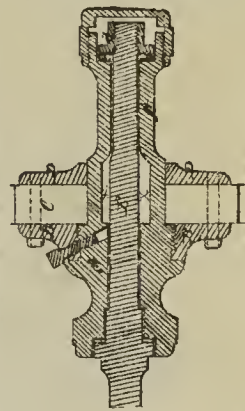
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XAVIER FENDRICH.
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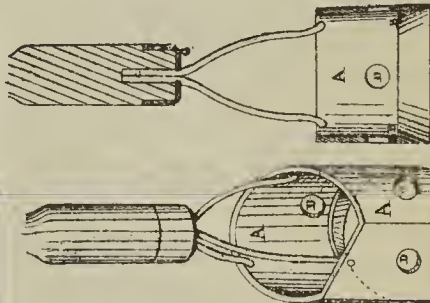
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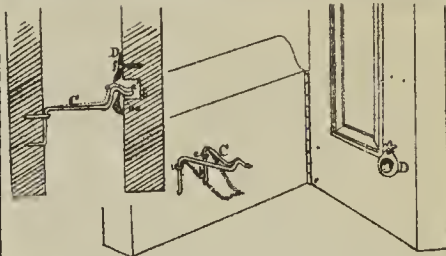
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MACHINERY.

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BRYANT B. HERRICK.
POST-HOLE DIGGERS.

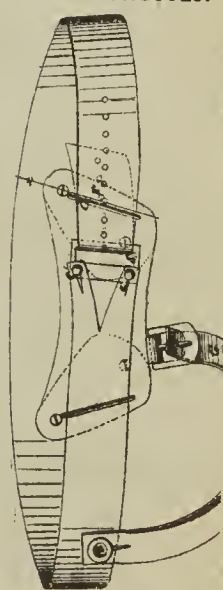
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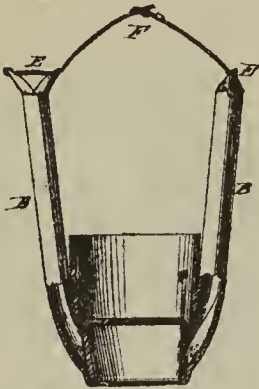
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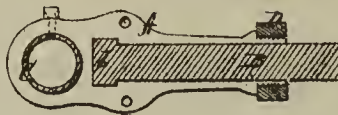
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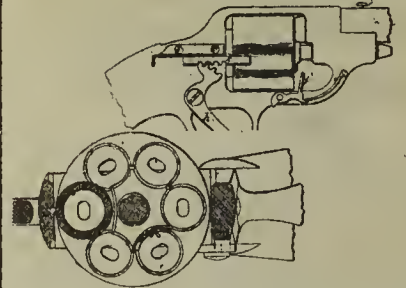
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PITMEN. GEORGE W. JASON.



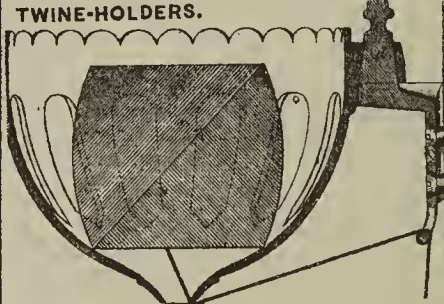
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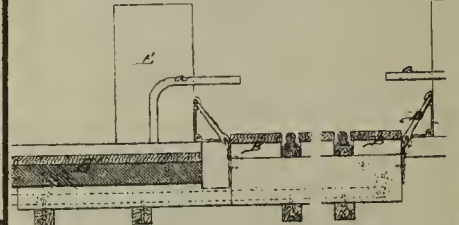
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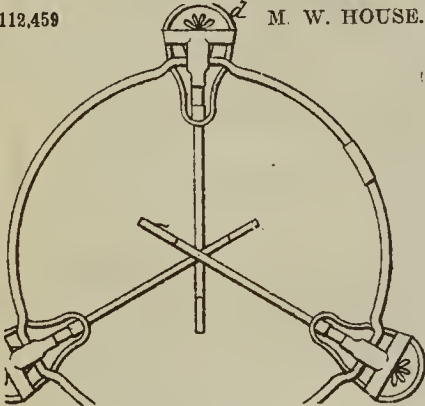
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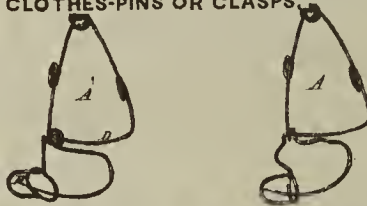
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JAMES H. MALLORY.
RAILROAD CATTLE-GUARD GATES.

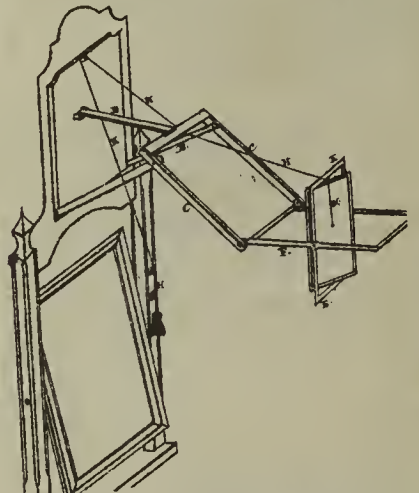
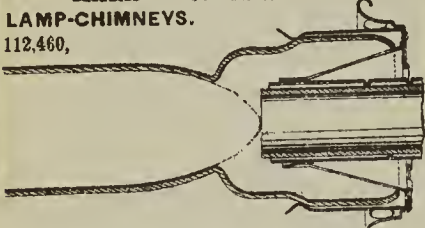
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M. W. HOUSE.

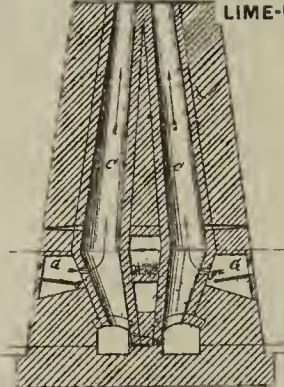
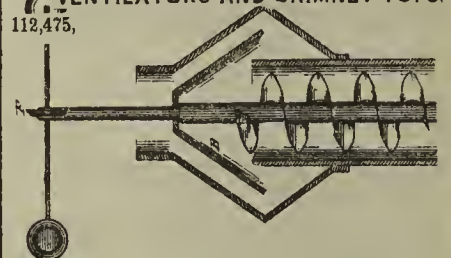
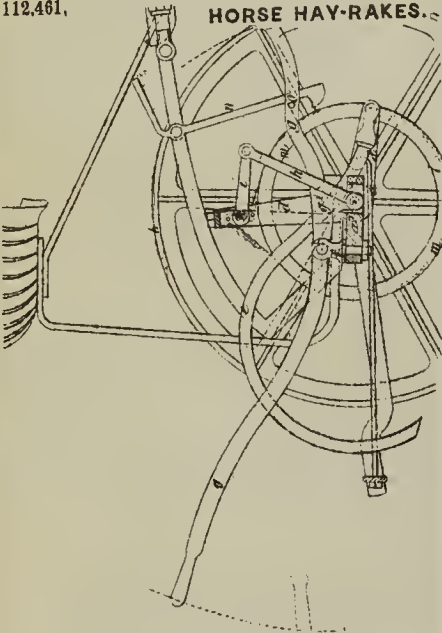
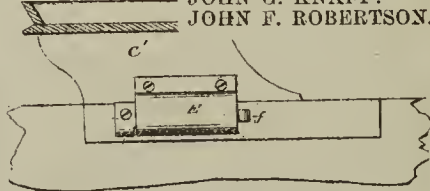
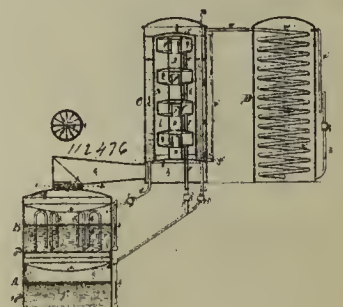
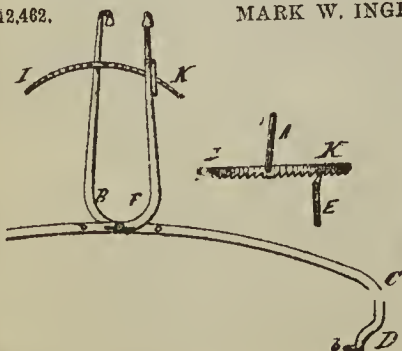
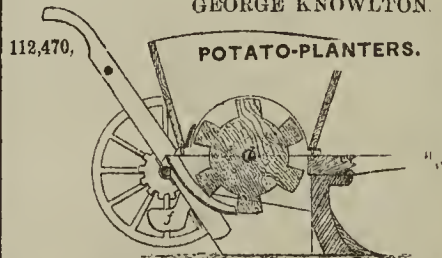
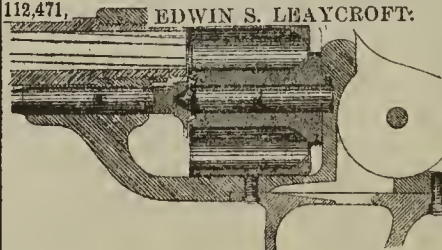
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WILLIAM YOUNT.
CLOTHES-PINS OR CLASPS.

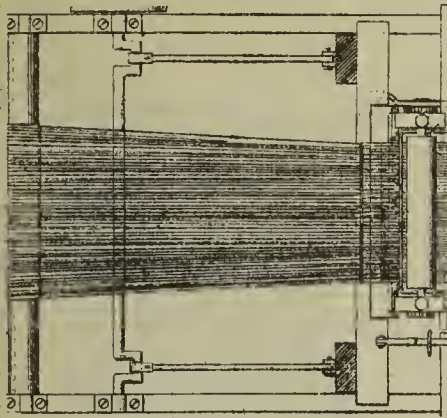
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RICHARD MASON.
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LAMP-CHIMNEYS.
112,460,112,467, SAMUEL EDWARD KELLY.
PUTTING UP HAMS.

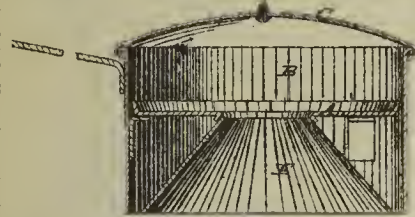
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THOMAS A. KIRK.
LIME-KILNS.JAMES MCGOWAN.
VENTILATORS AND CHIMNEY-TOPS.
112,475,JAMES HOWARD.
EDWARD TENNEY BOUSFIELD.
HORSE HAY-RAKES.
112,461,112,469
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FOR WAGONS OR SLEIGHS.
JOHN G. KNAPP.
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112,476, APPARATUS FOR RECTIFYING
AND REFINING SPIRITS.112,462.
TONGS FOR ROLLING BARRELS.
MARK W. INGLE.GEORGE KNOWLTON.
112,470, POTATO-PLANTERS.112,471,
REVOLVING FIRE-ARMS.
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112,477, TIN CANS.

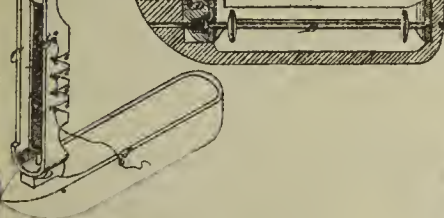
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GEORGE FISCHER.
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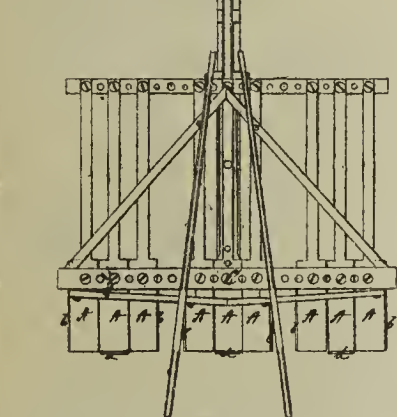
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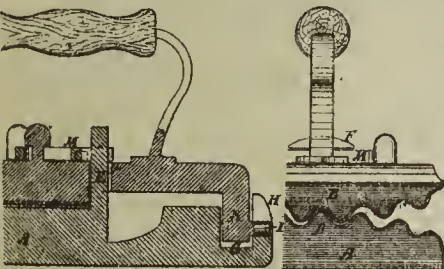
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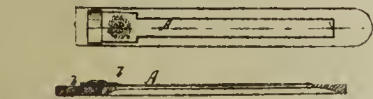
112,481, COTTON-CHOPPERS
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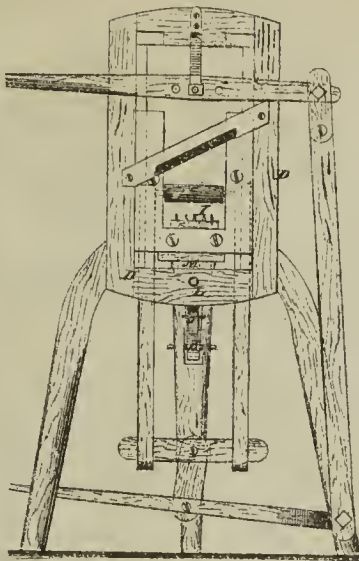
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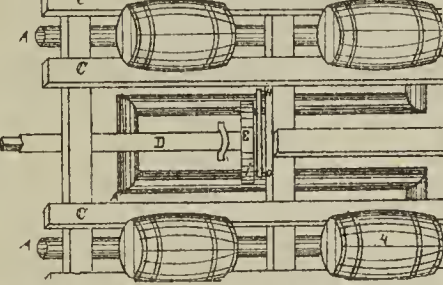
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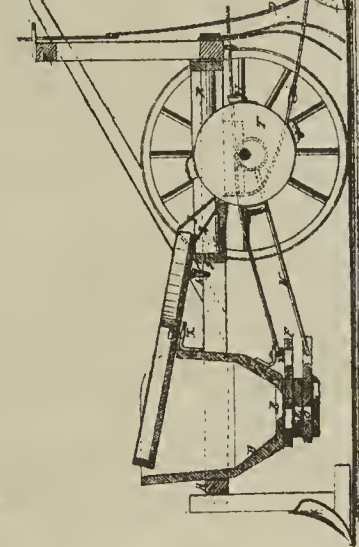
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STRAW-CUTTERS.



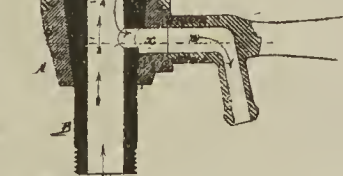
112,485, APPARATUS FOR AGING WHISKY
AND OTHER SPIRITS.
JOSIAH PEIFFER.
SAMUEL RICHARDS.



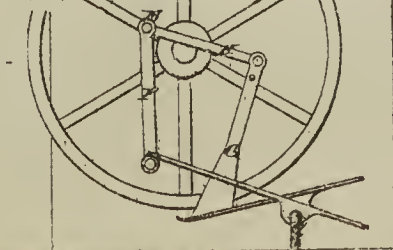
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SOLOMON PFLEGER.
112,487, FAUCETS.

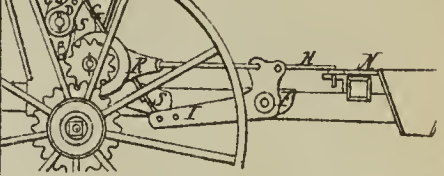


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112,488, TREADLES.

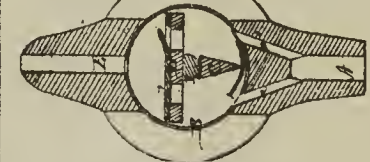


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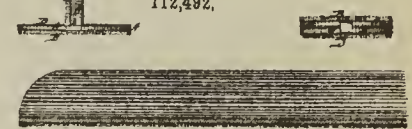
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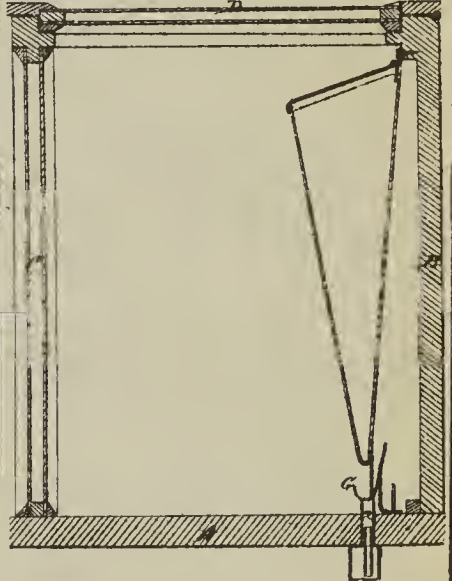
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112,491, ROTARY PUMPS.



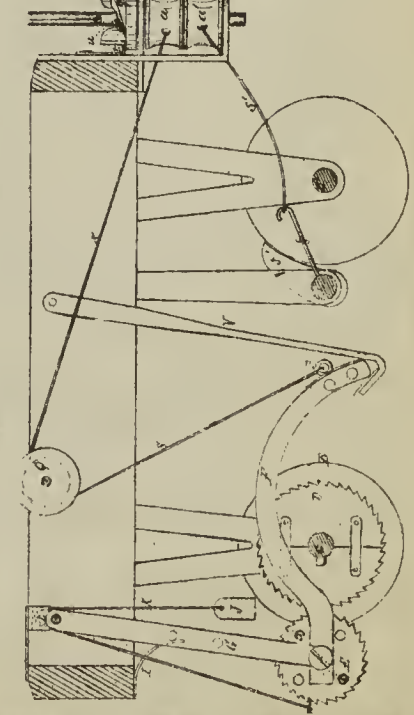
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112,492, HAT-BRUSHES.



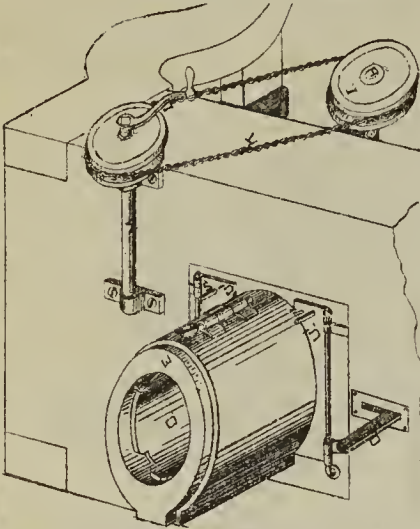
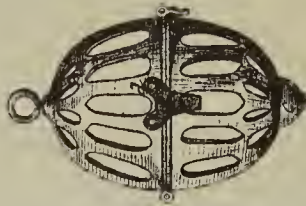
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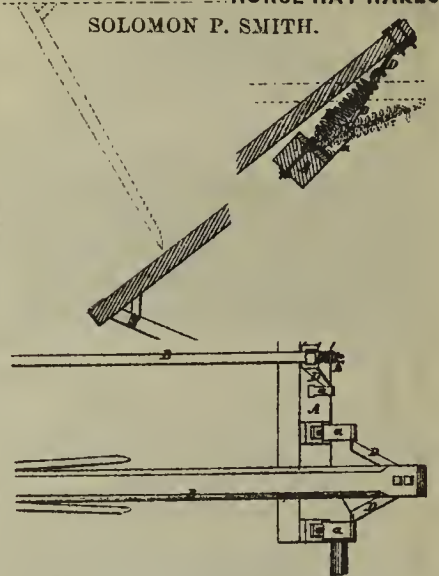
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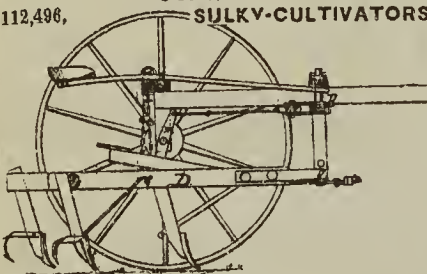
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112,501,

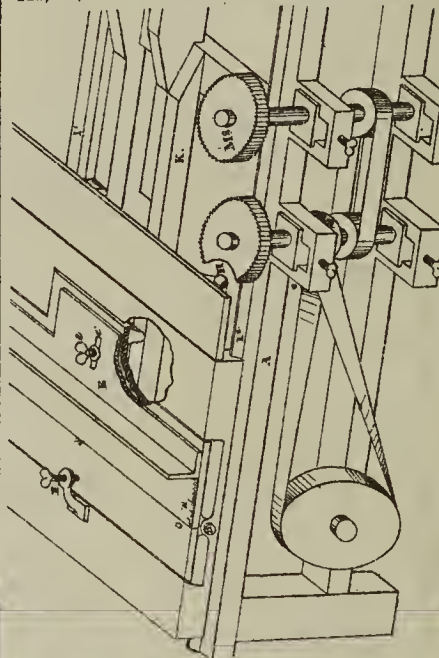
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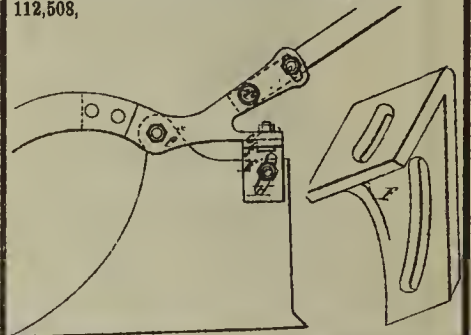
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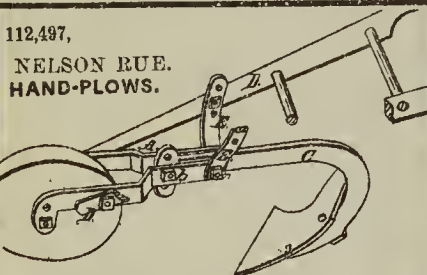
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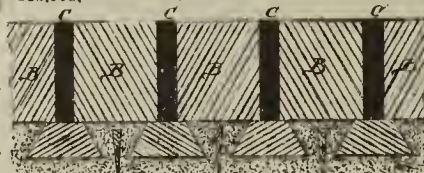
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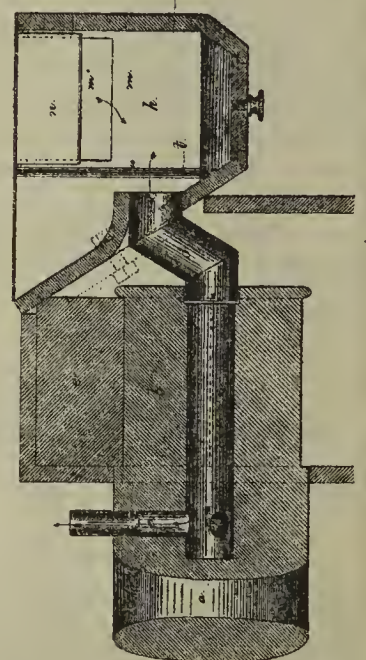
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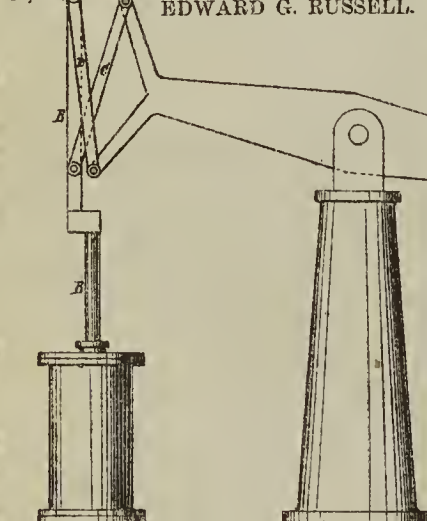
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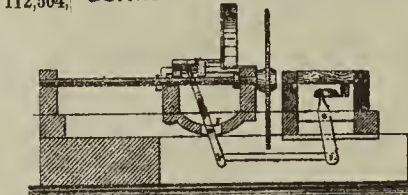
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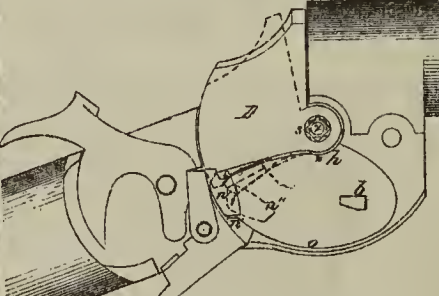
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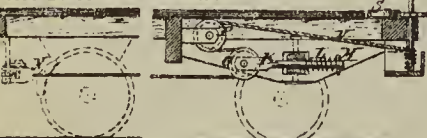
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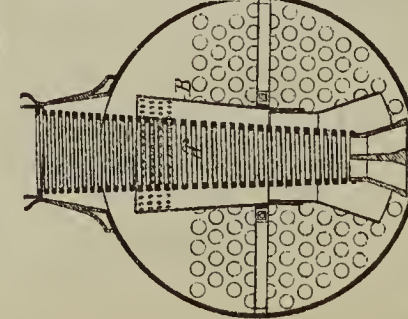
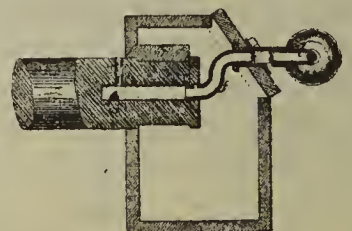
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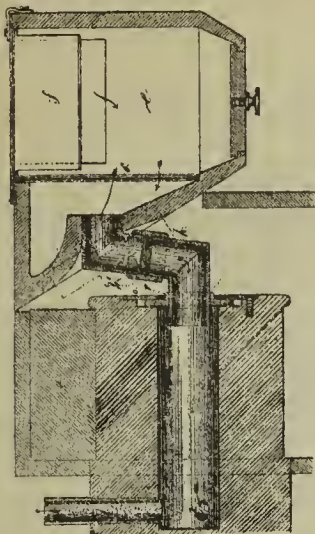
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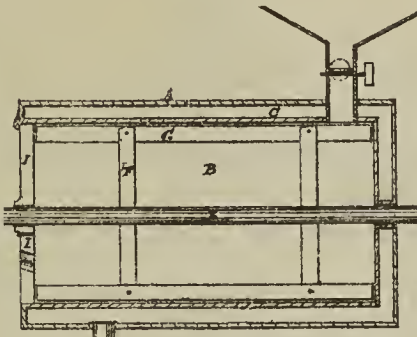
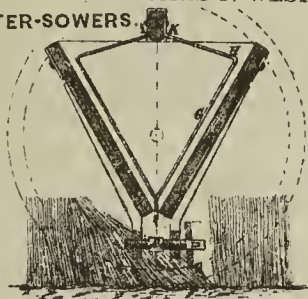
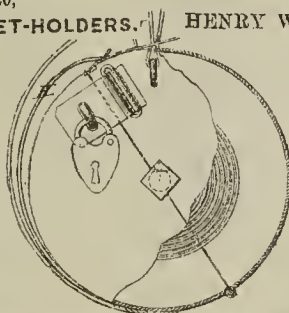
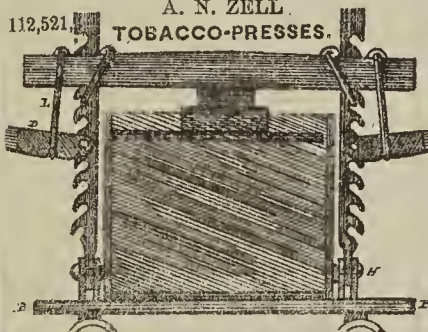
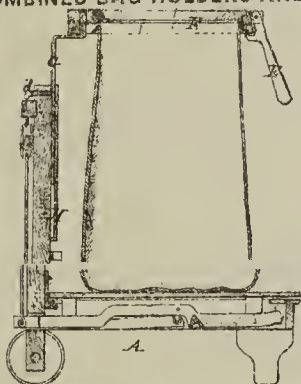
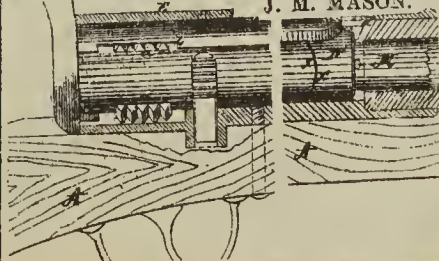
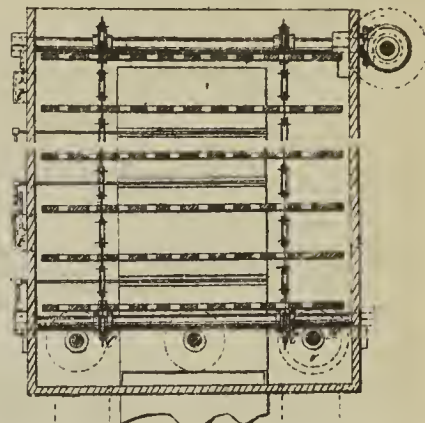
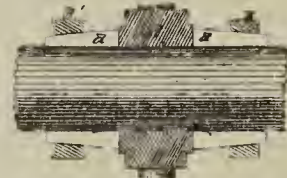
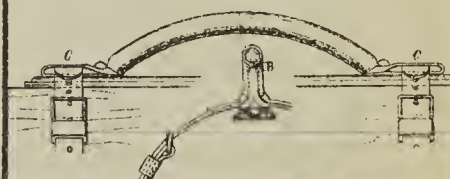
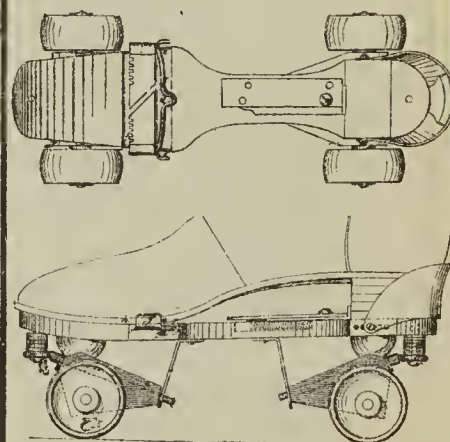
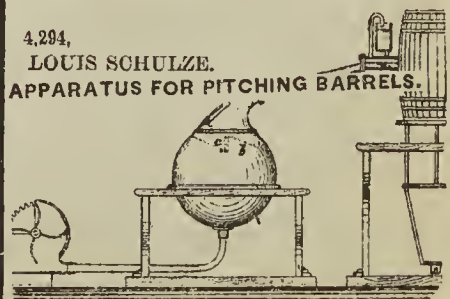
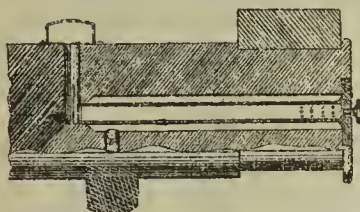
SPARK-ARRESTERS. JAS. SMITH.

112,511, HENRY G. THOMPSON.
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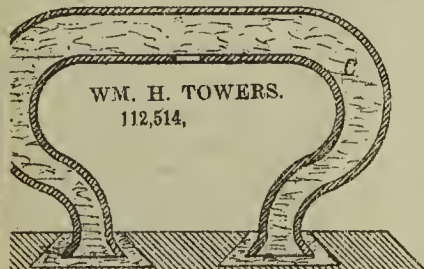
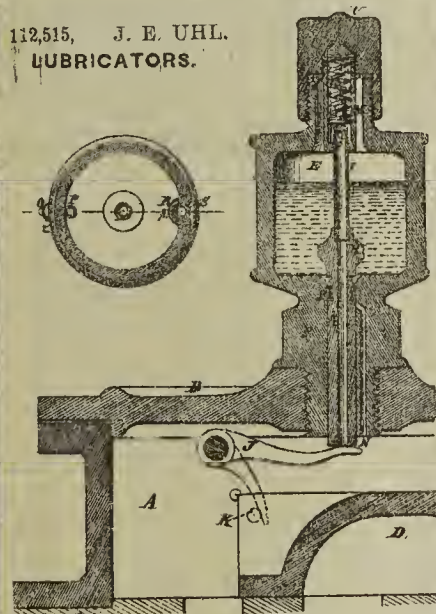
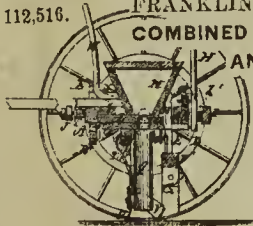
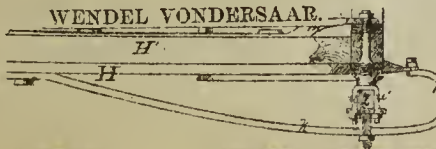
112,512, HENRY G. THOMPSON.



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112,518, WHEAT-ROASTERS.112,519, THOMAS J. WEST.
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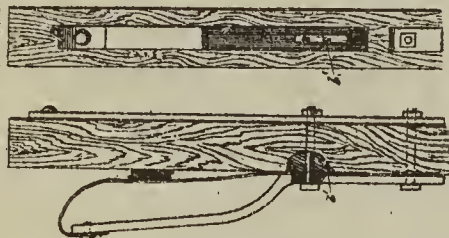
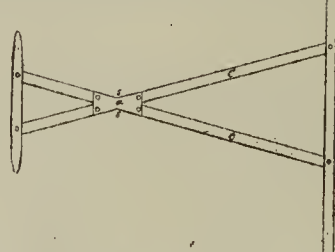
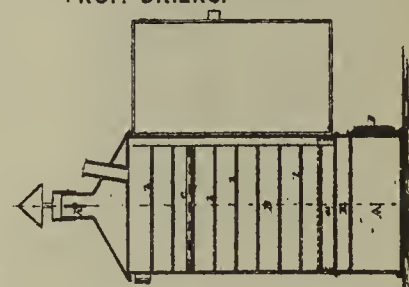
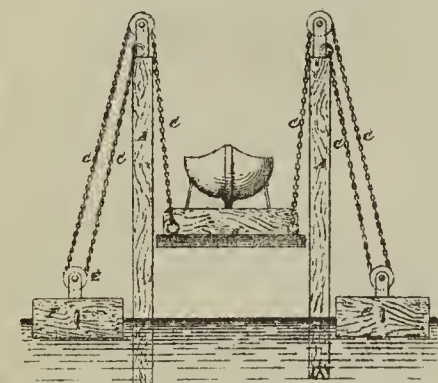
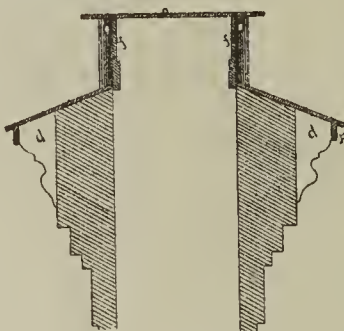
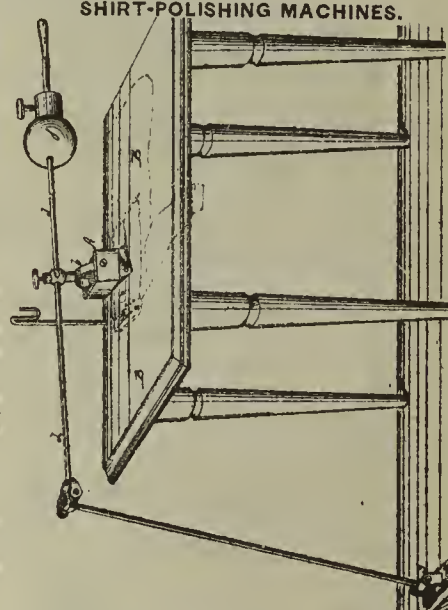
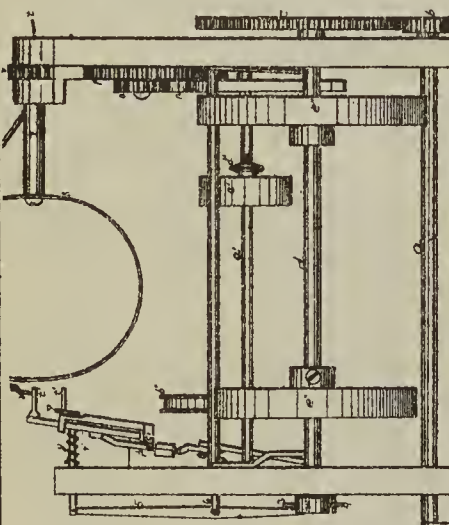
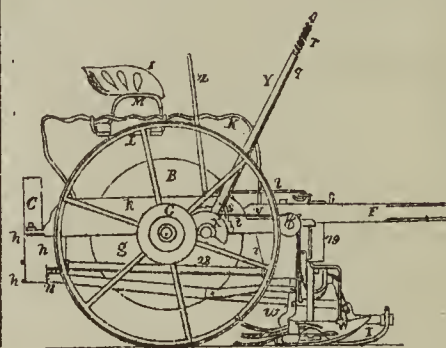
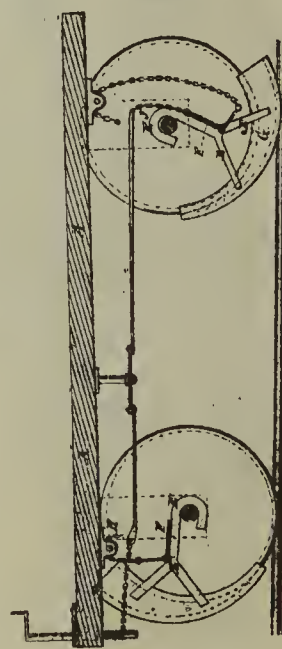
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112,514,112,515, J. E. UHL.
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ILLUSTRATIONS OF PATENTS

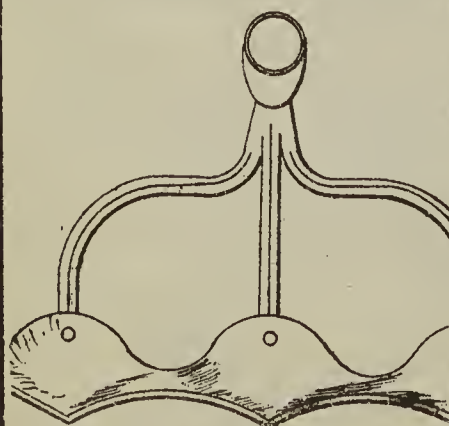
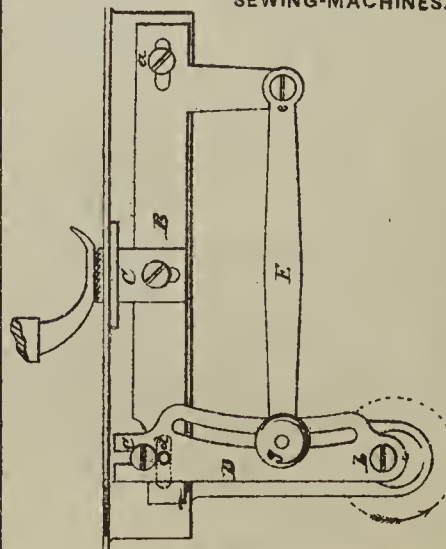
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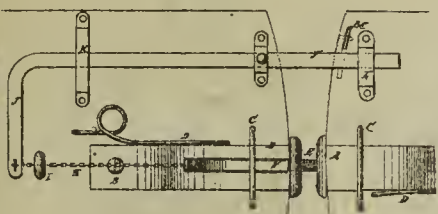
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112,524, JOHN R. ACHENBACH.
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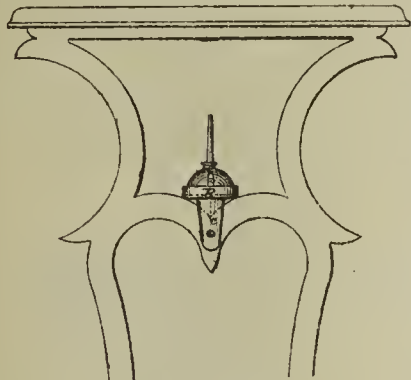
112,527, JOHN P. AVERY. GARDEN-HOES.

112,531, ROBERT M. BERRY.
FEEDING MECHANISMS FOR
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TREATING MARINE PLANTS
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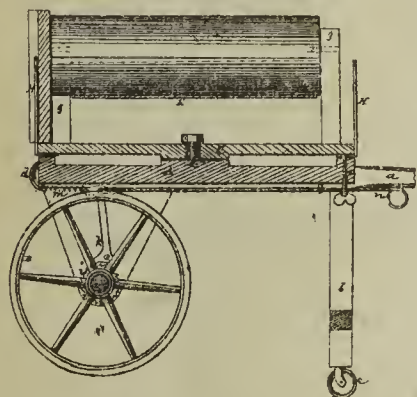
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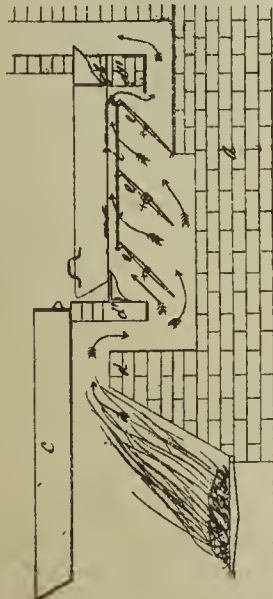
112,537, WILLIAM STODDARD BRICK.
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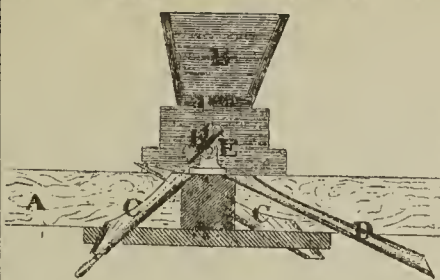
112,538, DANIEL W. BROWN.
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DRAIN-PIPES.



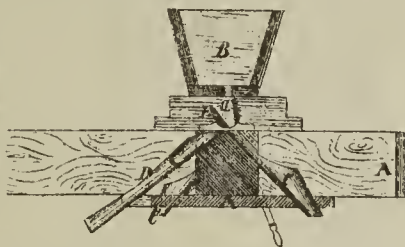
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112,540, J. E. BUXTON
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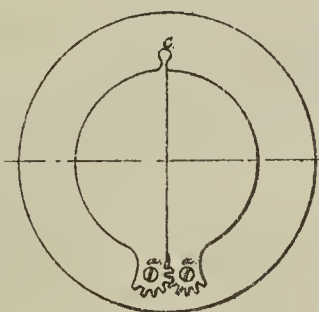
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112,542, JOSEPH T. CAPEWELL.
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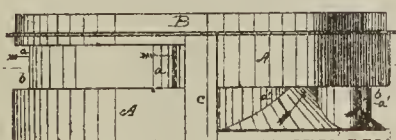


112,543, EDWARD CARD.
TEA-KETTLES.



112,544, THOMAS CARSON.
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112,545, JOEL T. CASE.
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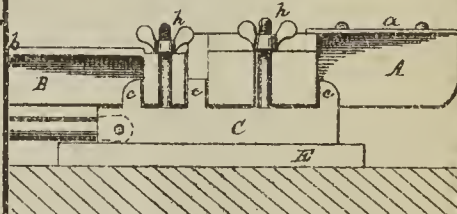
112,546, H. F. CHAPIN.
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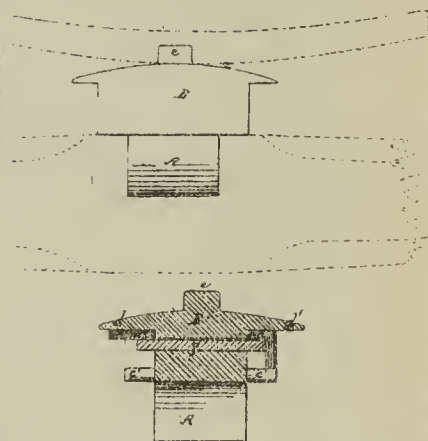
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112,548, ROBERT CHAUNCEY.
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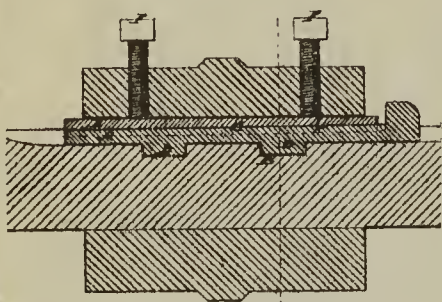
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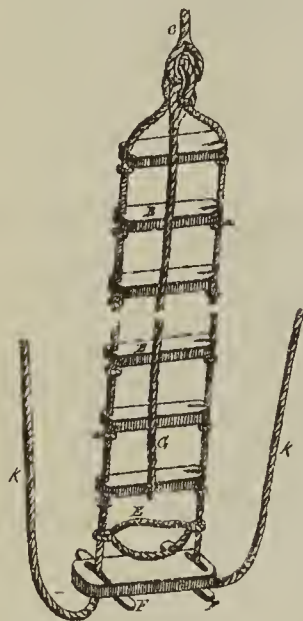
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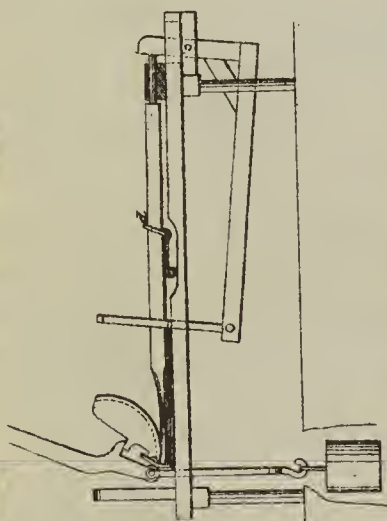
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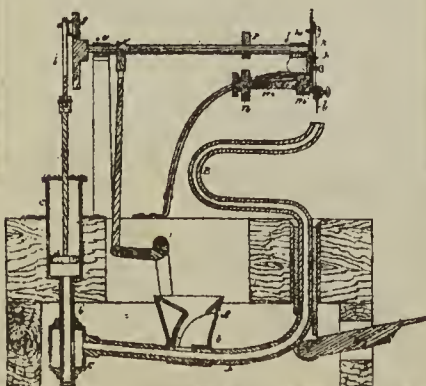
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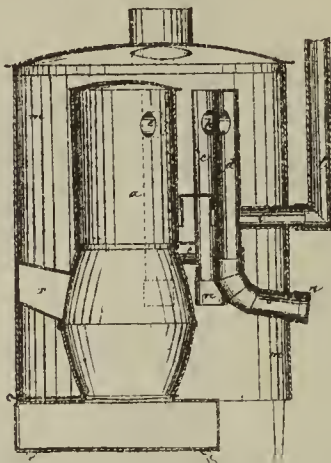
112,553, E. A. CONNER.
WOOD-BENDING MACHINES.



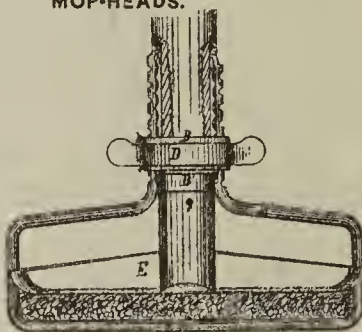
112,554, LYMAN A. COOK.
MACHINES FOR FEEDING RIVETS AND
INSERTING THEM IN SHOES, &c.



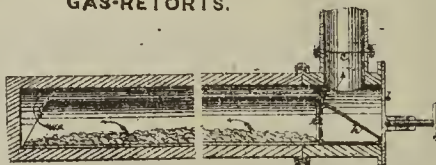
112,555, WILLIAM COTTINGHAM.
JOHN W. STAFFORD.
HEATING-STOVES.



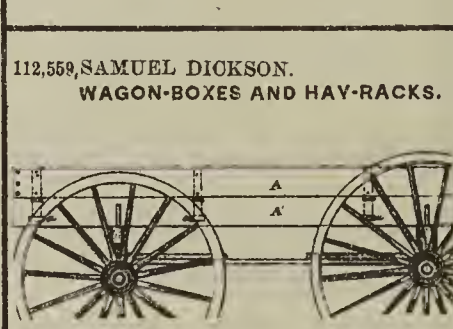
112,556, JAMES DAVIS.
MOP-HEADS.



112,557, DARIUS DAVISON.
GAS-RETORTS.

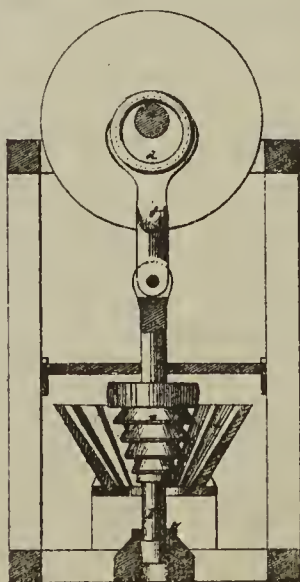


112,558 ANTOINE DESAULNIERS, M. D.
BITTERS.

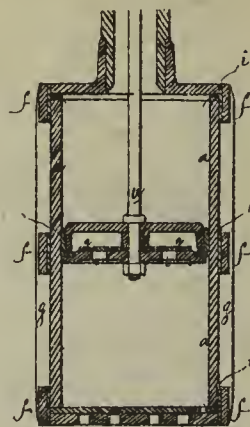


112,559, SAMUEL DICKSON.
WAGON-BOXES AND HAY-RACKS.

112,560, ANDREW DIETZ.
STONE-CRUSHERS.

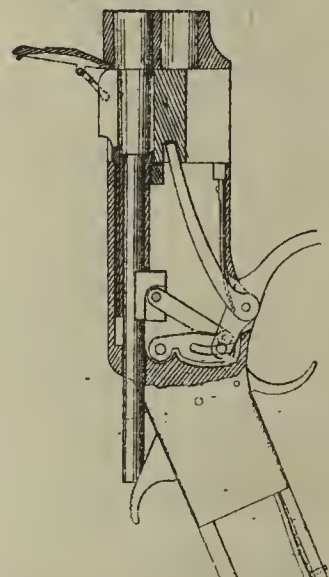


112,561, ISAAC DILLINGHAM.
PUMPS.

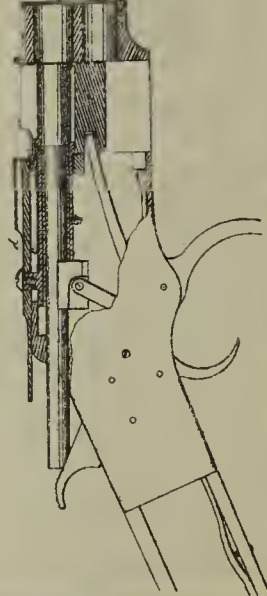


112,562, DANIEL A. DRAPER.
PROCESSES OF MANUFACTURING
TYPE-BLOCKS.

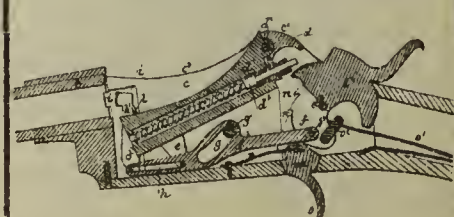
112,563, HENRY J. DREW.
MAGAZINE-GUNS.



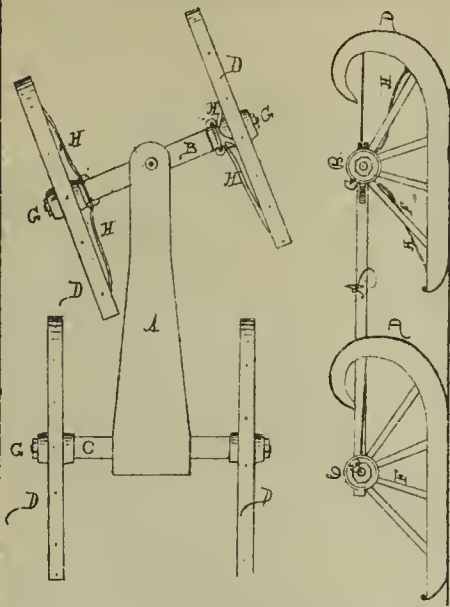
112,564, HENRY J. DREW.
REPEATING FIRE-ARMS.



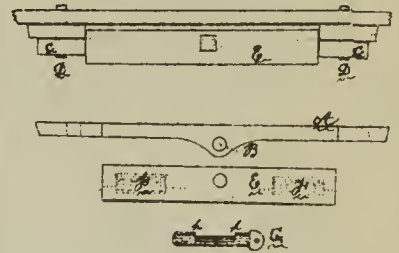
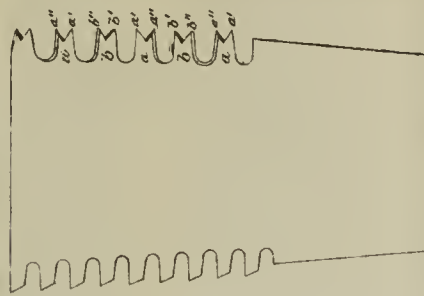
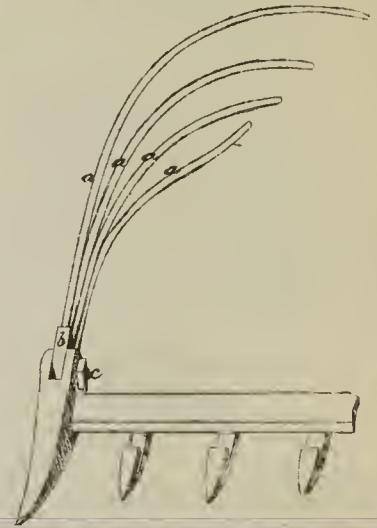
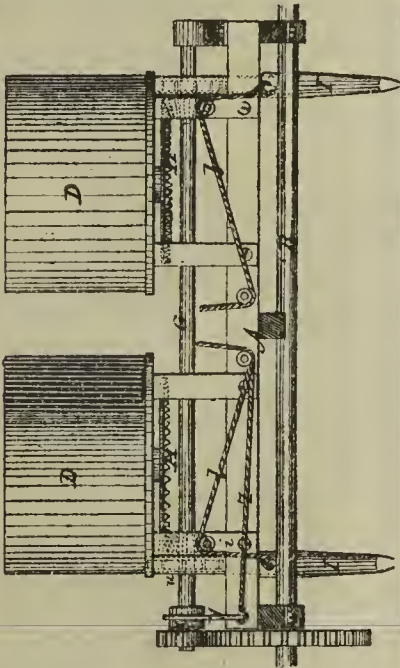
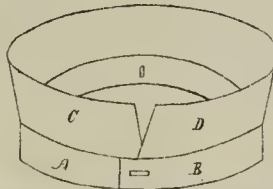
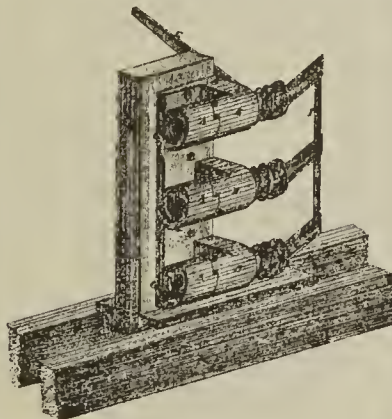
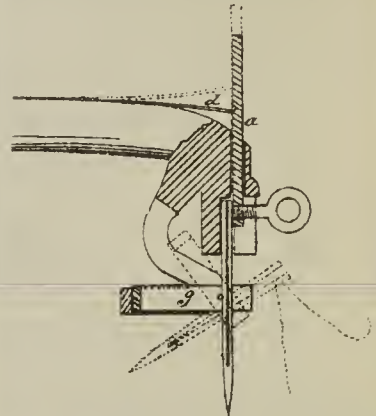
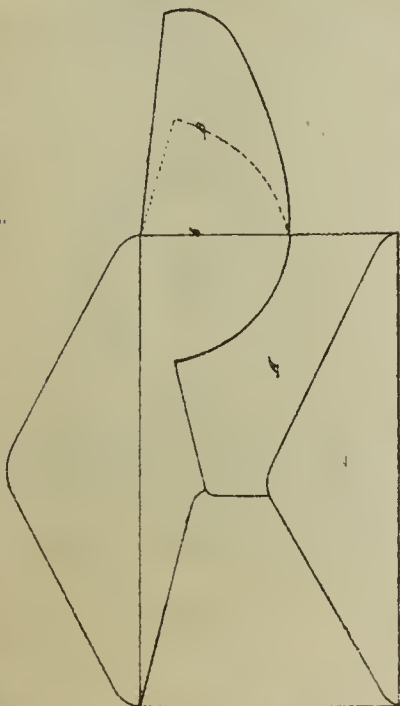
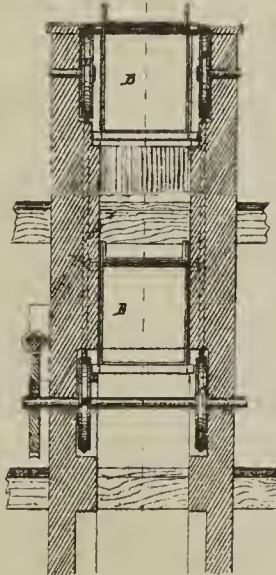
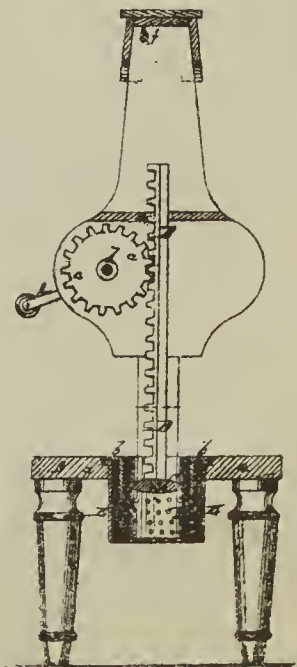
112,565, JOSEPH DUVAL.
BREECH-LOADING FIRE-ARMS.



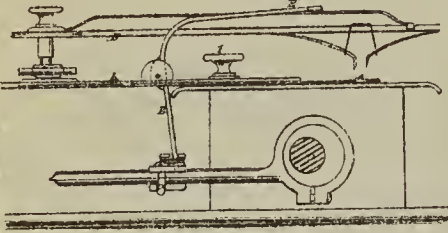
112,566 ROBERT ELLIOTT. SLEIGHS.



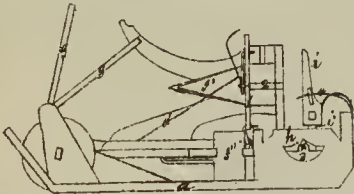
112,569. JAMES E. EMERSON. SAWS.

112,575, HENRY FELLOWS.
TRACK-CLEARERS.112,567, DE WITT C. ELLIS.
GEORGE N. DEMING
COTTON-PLANTERS.112,571, NATHL. EVANS. JR.
PAPER-COLLARS.112,572 JOHN S. EVERITT.
CHARLES H. AVERY.
HEAD-BLOCKS FOR SAW-MILLS.112,576, GEORGE M. FRABY
NEEDLES AND HOLDERS FOR
SEWING-MACHINES.112,568, EDWARD S. ELLIS
ENVELOPES.112,573 ZEBULON C. FAVOR.
ELEVATORS.112,577, CHARLES ADOLPH FREDERICK.
POTATO-MASHERS.112,574, LYMAN FAY.
NUT-LOCKS.

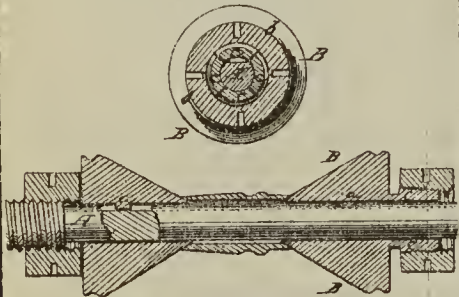
112,578, H. W. FULLER.
TUCK-CREASERS FOR
SEWING-MACHINES.



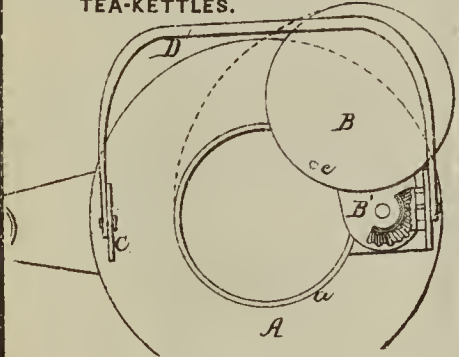
112,579, SOLOMON FULLER.
MOWING-MACHINES.



112,580, JAMES GALLATIN, JR.
UNIVERSAL MANDRELS.



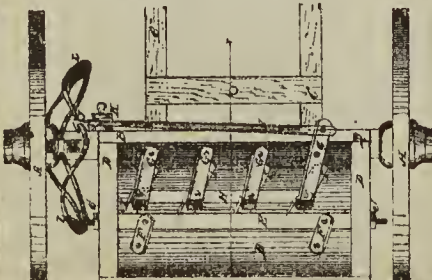
112,581, PETER V. B. GANTZ.
TEA-KETTLES.



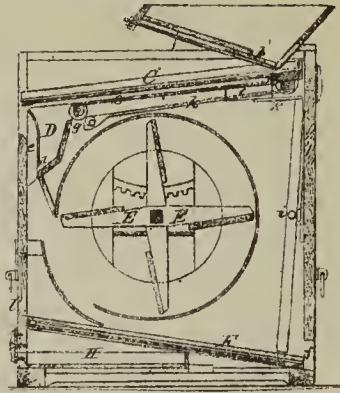
112,582, THOMAS GARRICK.
HARVESTER-CUTTERS.



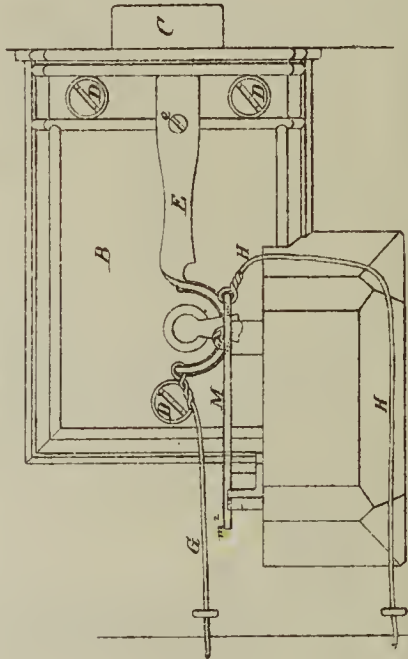
112,583 CHARLES E. GLADDING.
PLASTER-SOWERS.



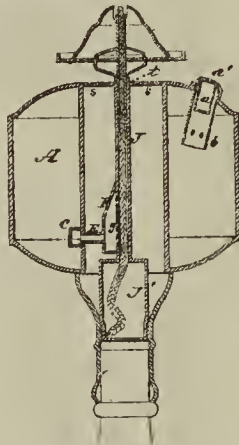
112,584, REUBEN GIPSON.
FANNING-MILLS.



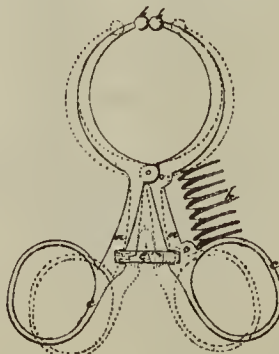
112,585, FREJUS GIRARD.
ELECTRICAL ALARM-LOCKS.



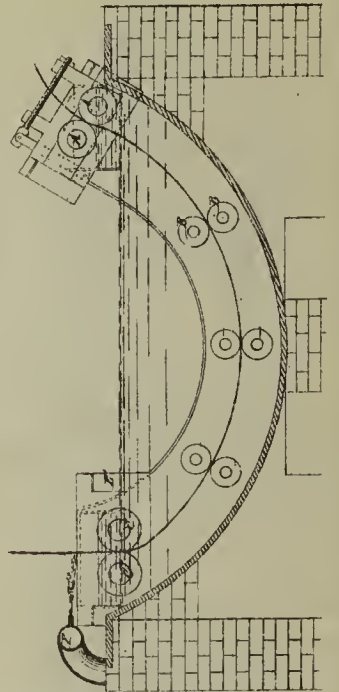
112,586, HENRY J. GOFF.
LAMPS.



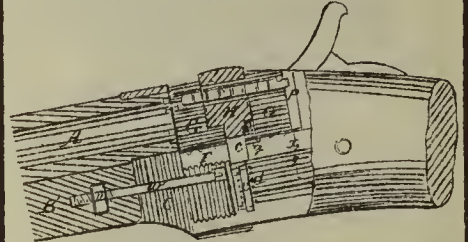
112,587, WILLIAM H. GRAY.
COWS'-TAIL HOLDERS.



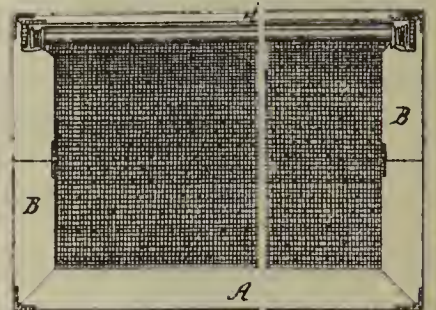
112,588, JOHN D. GREY.
COATING SHEET-IRON WITH ZINC.



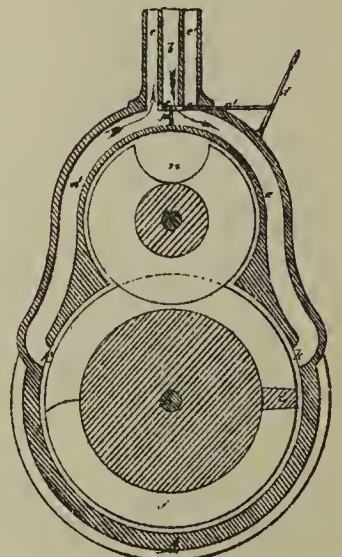
112,589, HENRY HAMMOND.
BREECH-LOADING FIRE-ARMS.

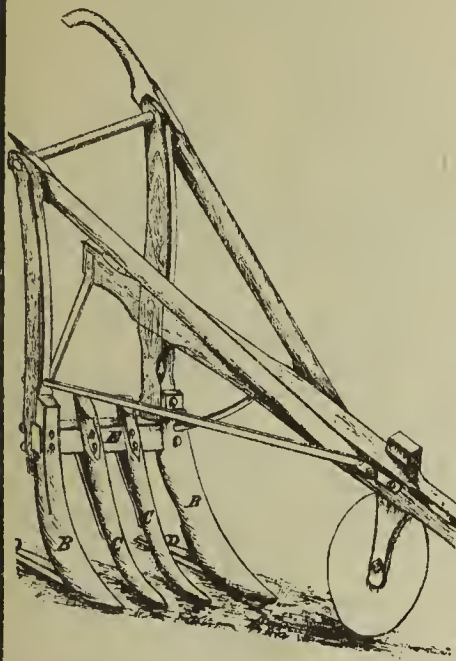
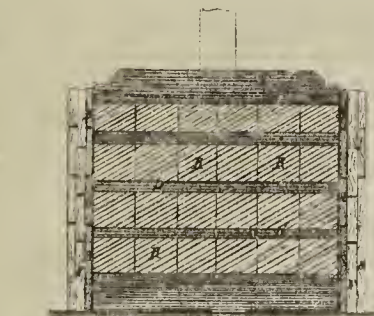
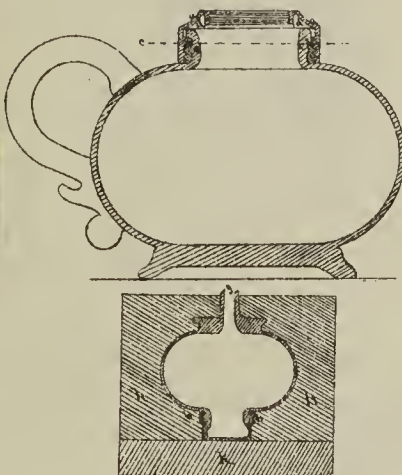
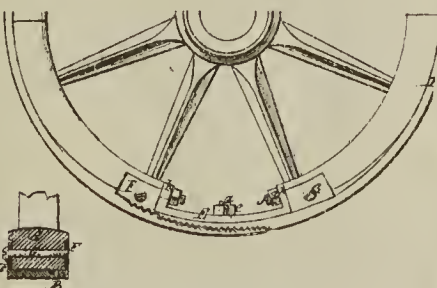
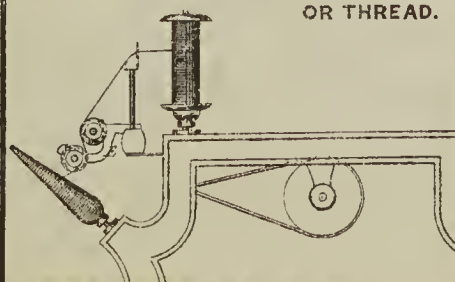
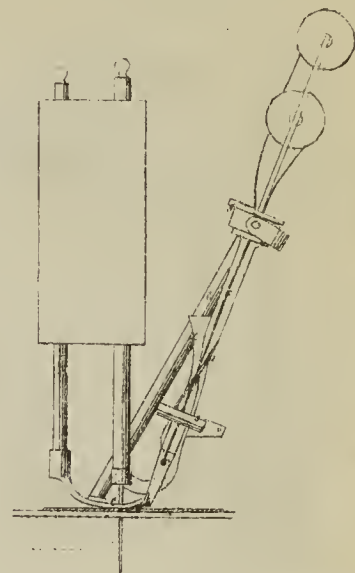
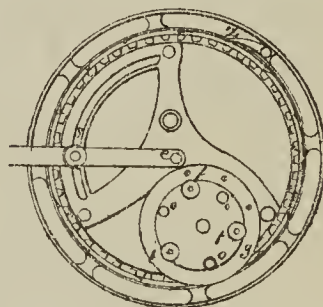
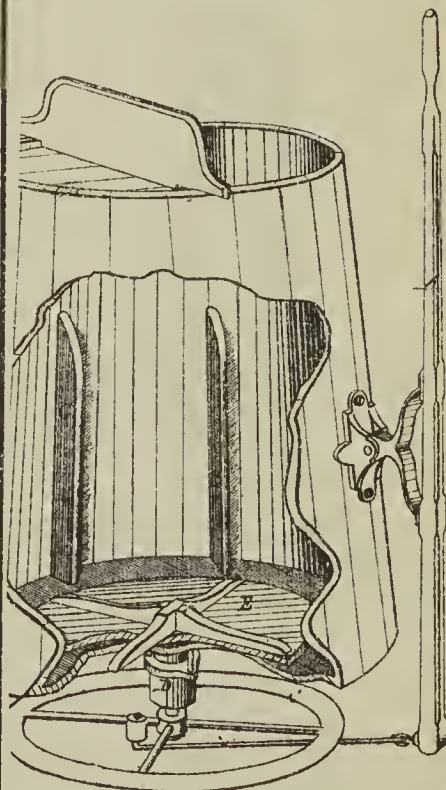
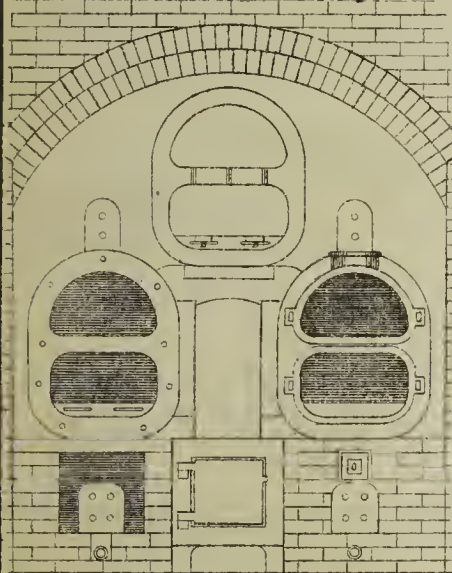
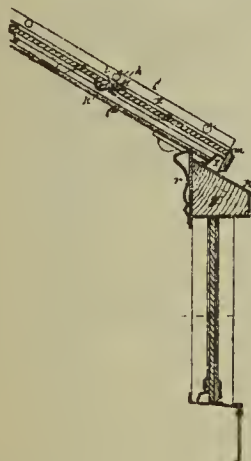


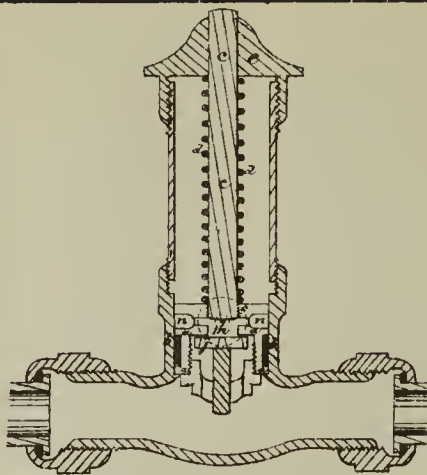
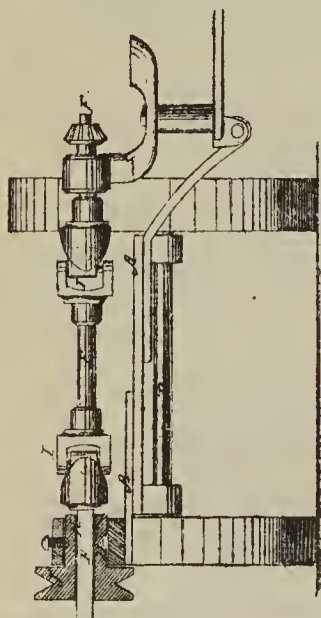
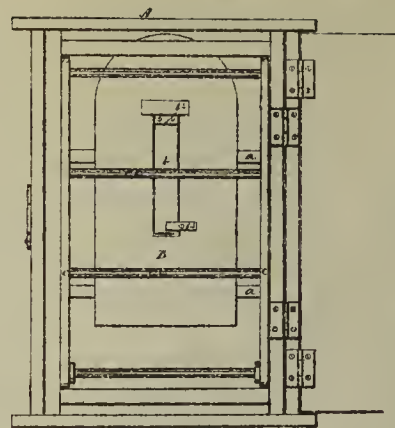
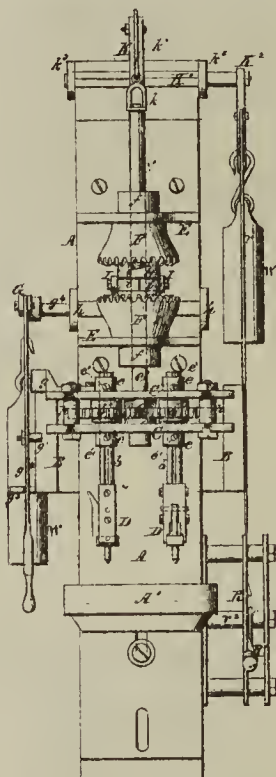
112,590, JOHN HANCOCK, JR.
WINDOW-SCREENS.



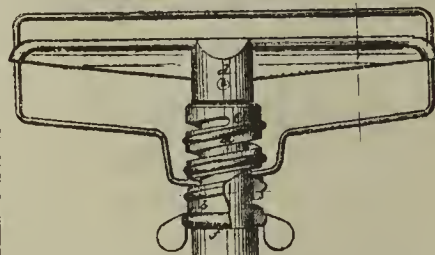
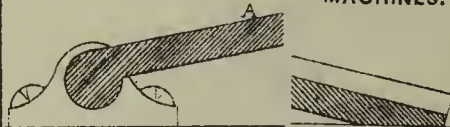
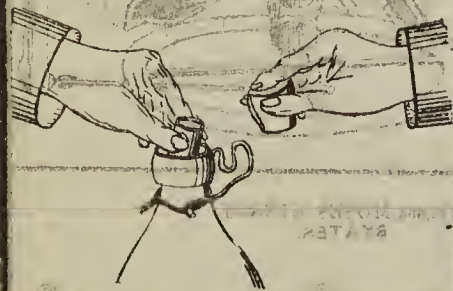
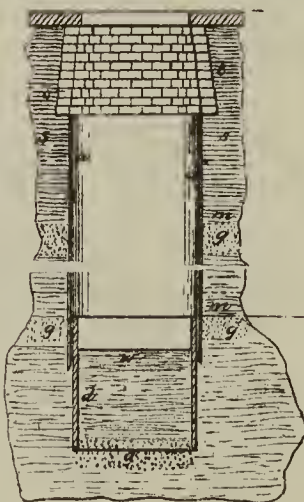
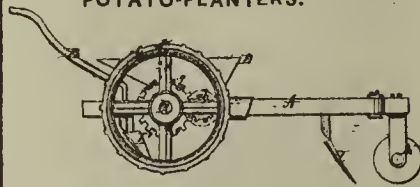
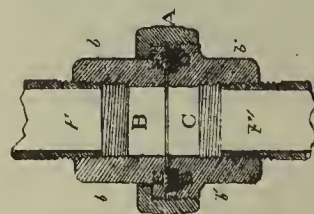
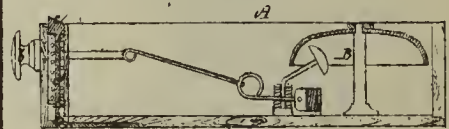
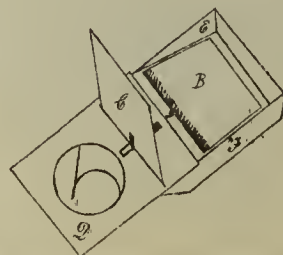
112,591, AARON S. HARLAN.
ROTARY STEAM-ENGINES.



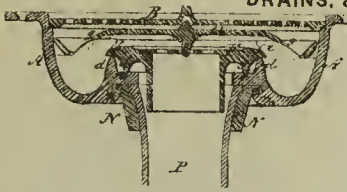
112,592, WILLIAM D. HARRELL.
POTATO-DIGGERS.112,597, ARTEMAS HOLDREDGE.
BENJAMIN F. HARRINGTON.
HENRY H. HARRINGTON.
CHEESE-HOOPS.112,598, JONA. J. HOYT.
JOHN E. CRANE.
CONSTRUCTION OF LAMPS.112,599, ANTHONY HUEGLER.
SECURING WHEEL-TIRES.112,600, GILMAN JAQUITH.
MACHINES FOR DRESSING YARN
OR THREAD.112,601, ALBERT, W. JOHNSON.
EMBROIDERING ATTACHMENTS
FOR SEWING-MACHINES.112,602, WM. G. KENYON.
HAY-TEDDERS.112,603, O. S. KING.
WASHING-MACHINES.112,604, MOSES KINSEY.
SKATES.112,593, GEO. W. HARRIS.
GAS-RETORTS.112,594, GEORGE HAYES.
SKY-LIGHTS, CONSERVATORIES,
AND OTHER GLAZED STRUCTURES.112,595, SHELBY WADAN HELM.
MEDICAL COMPOUNDS FOR TREATING
BRONCHIAL AND LUNG DISEASES.112,596, JOHN R. HILL.
OIL-WELL DRILLING.

112,605, DAVID R. KINYON.
HARVESTER-RAKES.112,612, HENRY MARTIN.
MACHINES FOR CUTTING
SCREW-THREADS ON BOLTS.

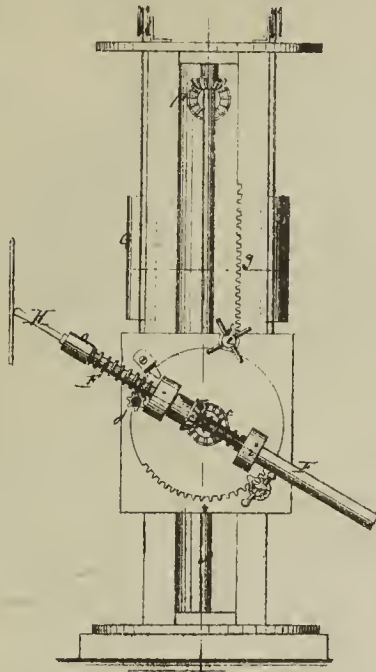
112,615, JOSEPH MESSINGER. MOP-HEADS.

112,616, GEORGE W. MILES.
TREADLES FOR SEWING AND OTHER
MACHINES.112,606, GEORGE T. LEWIS
PROCESSES OF REFINING AND
WHITENING THE PRODUCT FROM
SULPHURETS OF LEAD AND ZINC.112,607, GEORGE T. LEWIS.
REFINING AND WHITENING THE
PRODUCT FROM ORES OF LEAD AND
ZINC.112,608, GEORGE T. LEWIS.
MANUFACTURE OF CARBONATE
OF LEAD, &c.112,609, DE-MARCUS-MADDEN.
BASE-BURNING STOVES.112,610, THOMAS-MALONEY.
MANUFACTURE OF BOTTLED
MINERAL WATER.112,611, STEWART C. MARSH.
SAFETY-VALVES.112,613 WILLIAM MASON.
MODES OF MAKING WELLS.112,614, S. T. McDOUGALL.
COMBINED CLOTHES-RECEPTACLES,
IRONING-BOARDS, AND DRIERS.112,617, JOHN G. MILLS.
POTATO-PLANTERS.112,618, JAMES M. MOREHEAD.
PIPE-CONNECTIONS.112,619, JEREMIAH MURPHY
BURGLAR-ALARM DRAWERS.112,620, SOLOMON D. NEWBRO.
EARTH-CLOSETS.

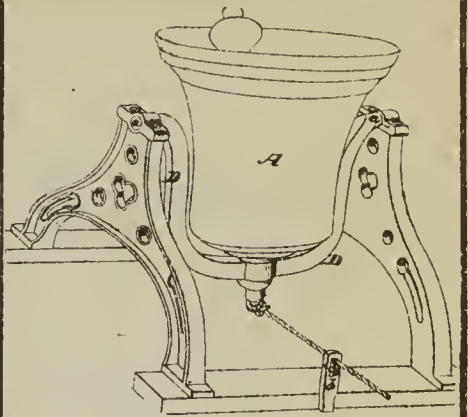
112,621, AARON B. NOTT.
MODES OF ATTACHING PIPES TO SINKS.
DRAINS, &c.



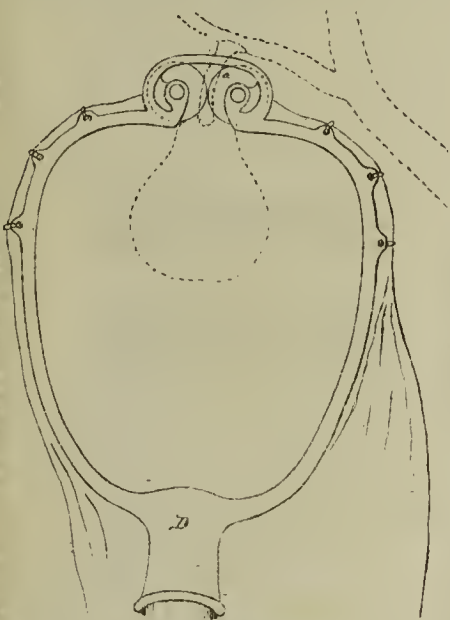
112,626, PARLEY I. PERRIN.
JOSEPH L. HEWES.
MACHINES FOR TAPPING BOILERS.



112,631, JOSHUA REGESTER. BELLS.

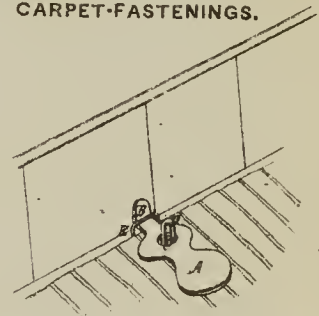


112,622, CORNELIUS OSTRANDER.
FRUIT-GATHERERS.

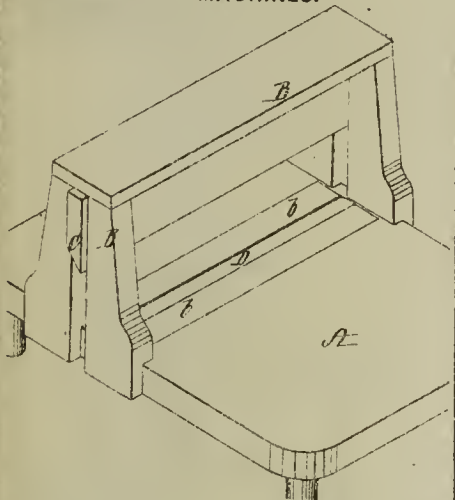


112,632, SARAH AMANDA REYBERT.
HAIR-TONICS.

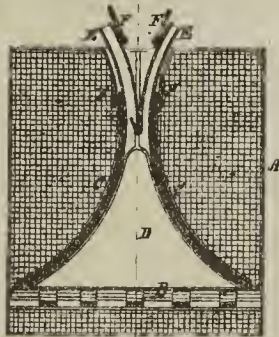
112,633, JOSEPH A. ROBBINS.
CARPET-FASTENINGS.



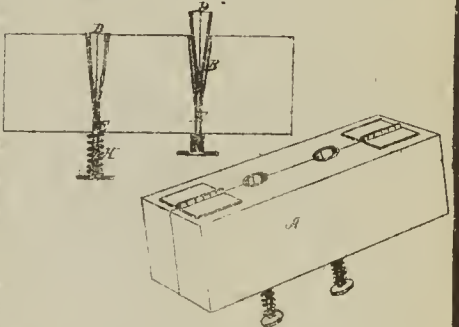
112,623, CHARLES PAINE.
PAPER-CUTTING MACHINES.



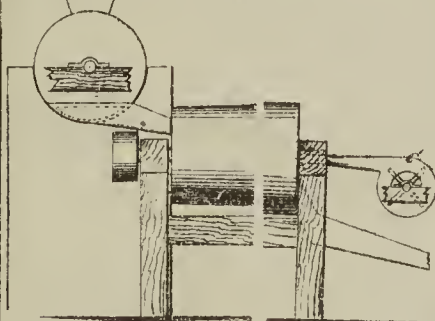
112,627, CHARLES W. POWELL.
WASH-BOILERS.



112,634, JOSEPH A. ROBBINS.
MOLDS FOR SUPPOSITORIES.



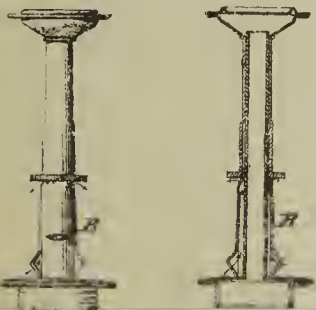
112,628, JOSEPH J. POWERS.
TREATING COTTON-SEED.



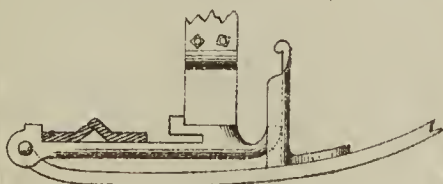
112,635, CHAS. E. ROBINSON.
SAFETY-HASPS OR LATCHES.



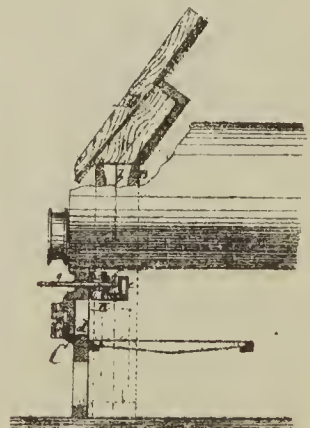
112,624, JASON J. PALMER.
FRANKLIN G. PALMER.
GLOBE-HOLDERS AND COOLERS
COMBINED, FOR VAPOR-BURNERS.



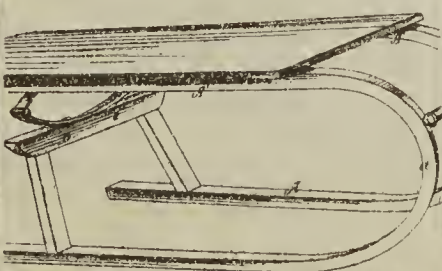
112,629, AMOS RANK.
FINGER-BEAMS FOR HARVESTERS.



112,636, ALEXANDER RODGERS.
ESAU TARRANT.
MACHINES FOR FEEDING FUEL TO
FURNACES.

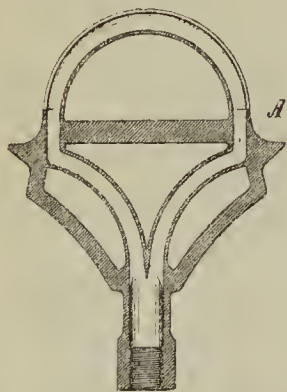
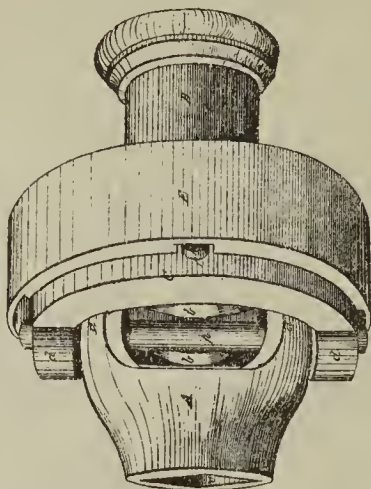
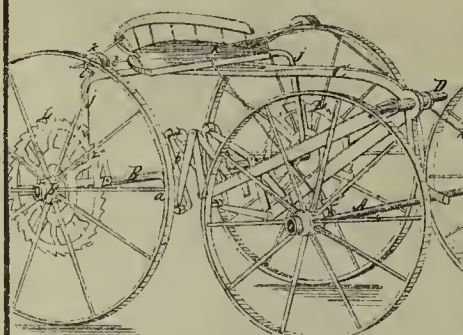


112,630, AMOS RANK. SLEIGHS.

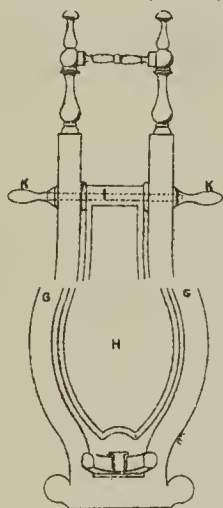
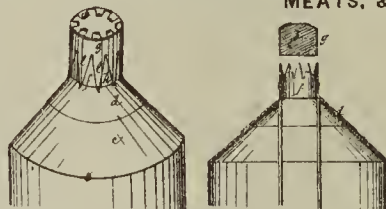
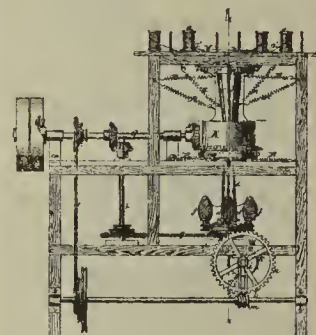
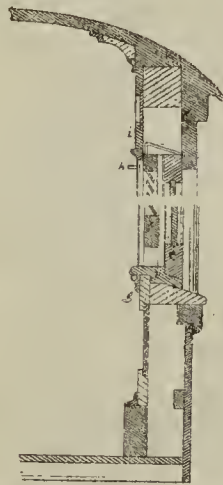
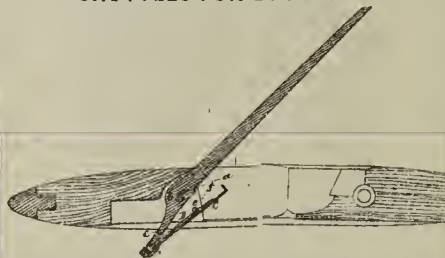
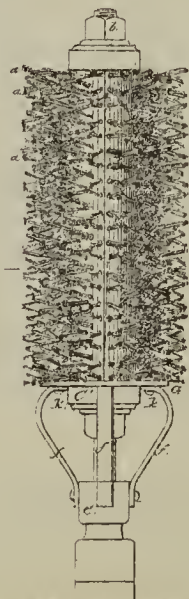
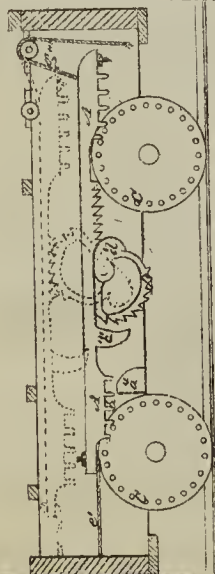
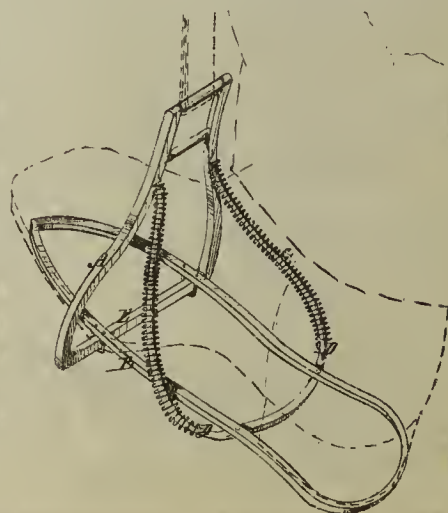


112,625, CHARLES W. PEIRCE, JR.
SKIRTS.



112,637, MARK ROSENWAX.
GAS-BURNERS.112,641, FREEDOM G. SHEPARD.
SHAFT-COUPPLINGS.112,646, MANASSA STAUDT.
VELOCIPEDES.

112,638, JOSEPH ROUARD. BOOT-JACKS.

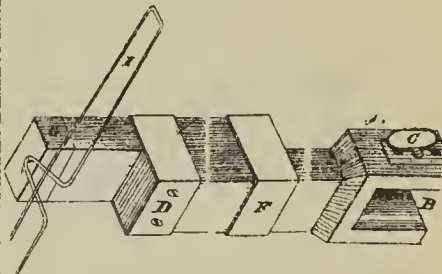
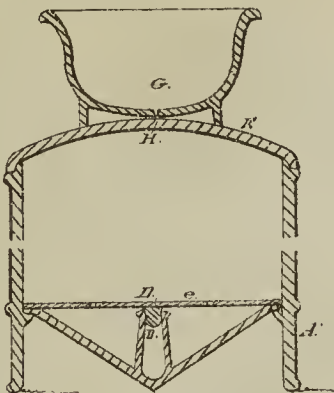
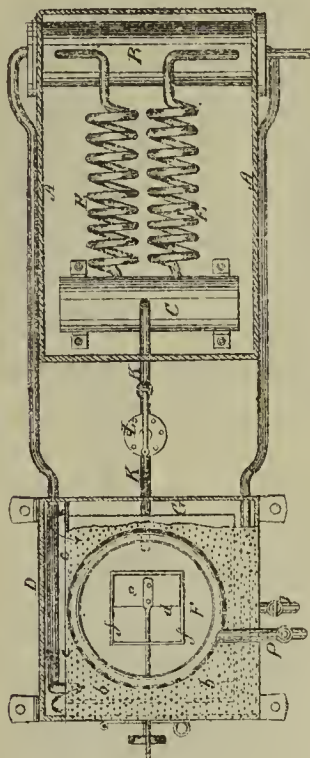
112,642, NICH. H. SHIPLEY.
SEALING CANS AND OTHER VESSELS
FOR PRESERVING FRUITS,
MEATS, &c.112,647, CHASE A. STEVENS,
PACKINGS FROM ASBESTUS AND OTHER
FIBROUS MINERALS112,648, CHASE A. STEVENS,
FIBROUS MINERAL PACKINGS FOR JOURNALS,
BEARINGS, &c112,649, CHASE A. STEVENS,
TREATING ASBESTUS AND OTHER MINERAL
FIBERS FOR USEFUL PURPOSES.112,650, CHASE A. STEVENS.
TREATING ASBESTUS AND OTHER
FIBROUS MINERALS.112,651, CHASE A. STEVENS.
ISAAC LINDSLEY.
MACHINERY FOR FORMING PACKING FROM
ASBESTUS AND OTHER FIBROUS MATERIALS.112,639, E. A. SCHOELLER.
WINDOWS FOR RAILWAY-CARS.112,643, CHARLES ELBRIDGE SMITH.
SHUTTLES FOR LOOMS.112,644, CHAS. S. SNEAD
SKY-LIGHTS.112,645, BENJAMIN M. SPENCER.
BOILER-FLUE BRUSHES.112,640, HENRY SCHREINER.
HORSE-CAR STARTERS.112,652, LEONARD S. TAYLOR.
STIRRUPS FOR RIDING-SADDLES.

112,653. THOMAS TAYLOR.
FERTILIZERS.

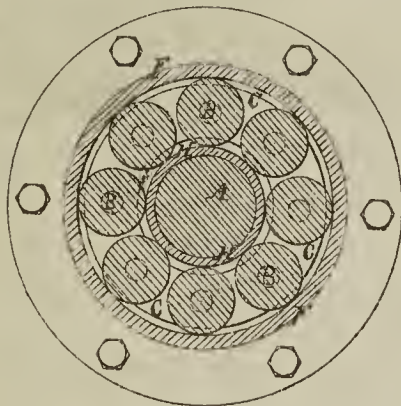
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REFRIGERATORS.

112,664, H. R. WILLIAMS.
COPY-HOLDERS.

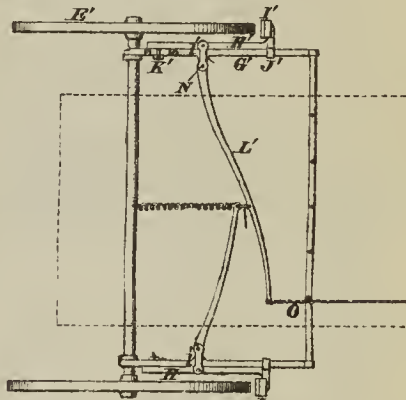
112,654. A. B. TRIPLER.
APPARATUS FOR MAKING ICE
AND REFRIGERATING.



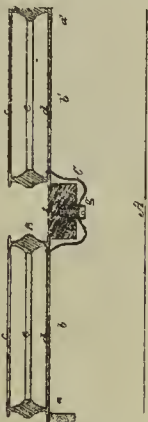
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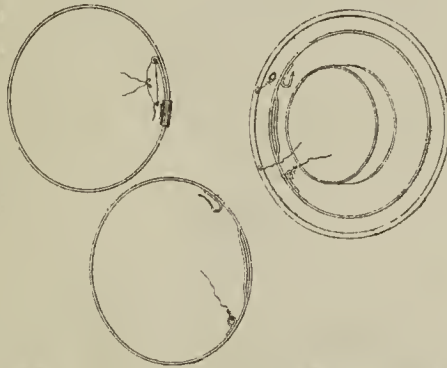
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CARRIAGE-BRAKES.



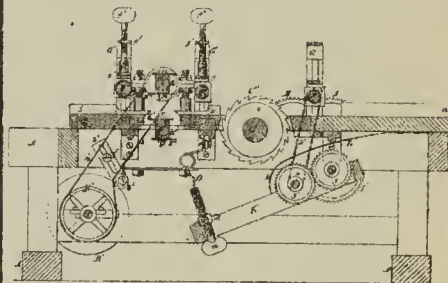
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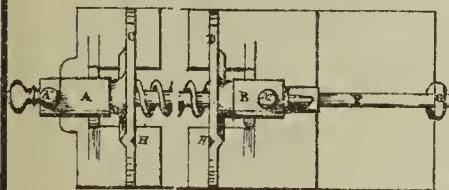
112,661, WM. H. WHITE. HATS.



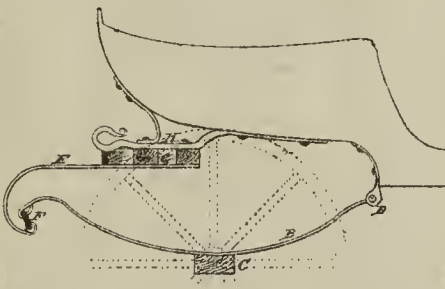
112.666, GEORGE F. WOOLSTON.
BLIND-SLAT MACHINES.



112,656. GEORGE VINCENT.
MACHINES FOR BLOCKING RIBBONS, &c.



112,662, WM. B. WHITNEY
CHILD'S CARRIAGES.



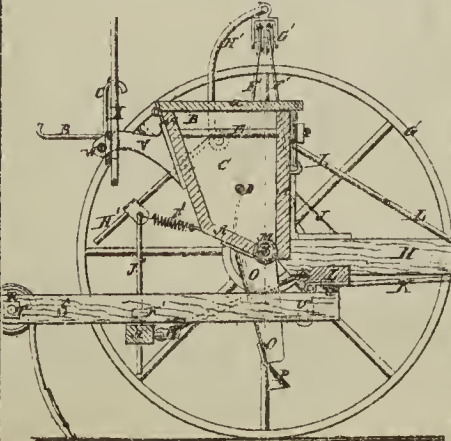
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WATER-WHEELS.



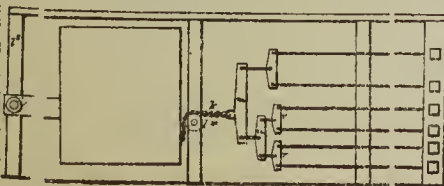
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CARL GULLBERG.
ATTACHING THE HAIR-SPRINGS
OF WATCHES.



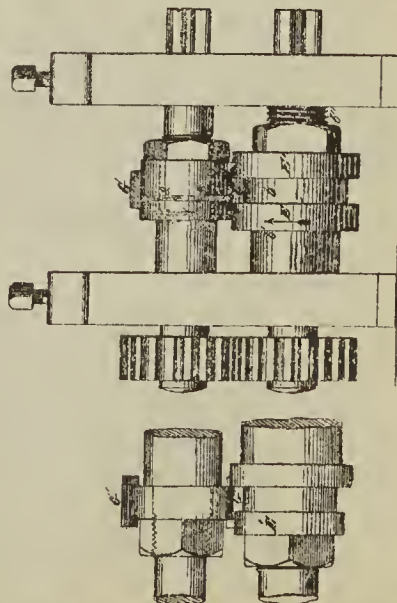
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BROADCAST SEEDERS AND
CULTIVATORS COMBINED.

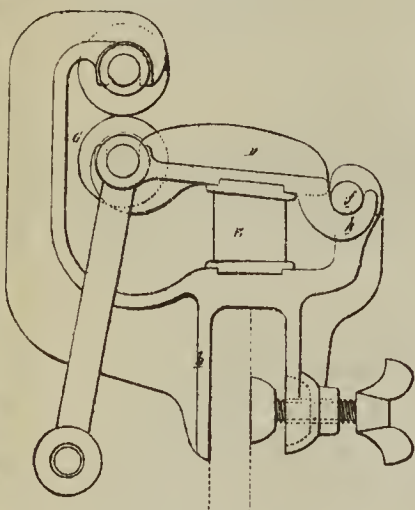
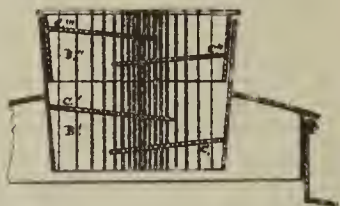


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WIRE FENCES.

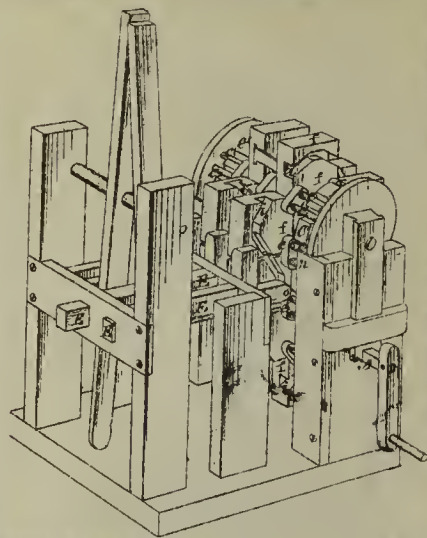
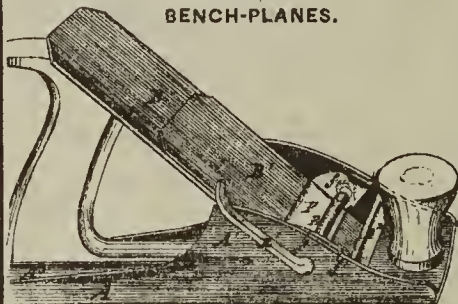
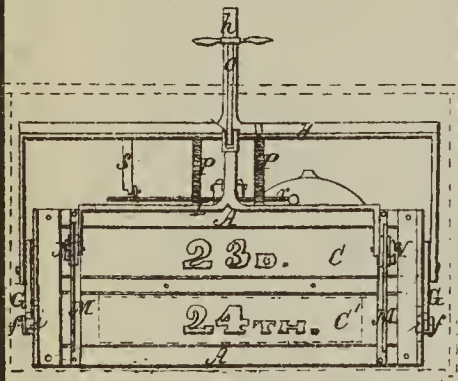
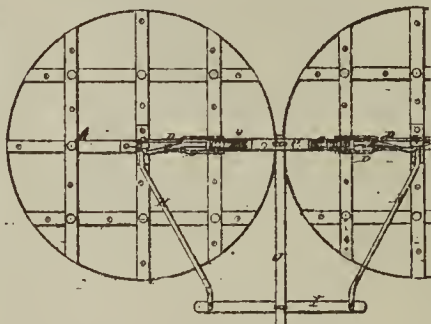
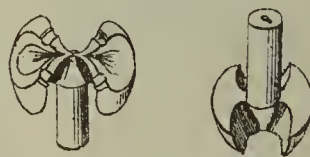
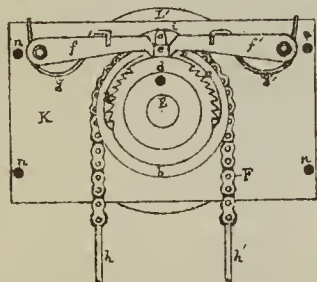
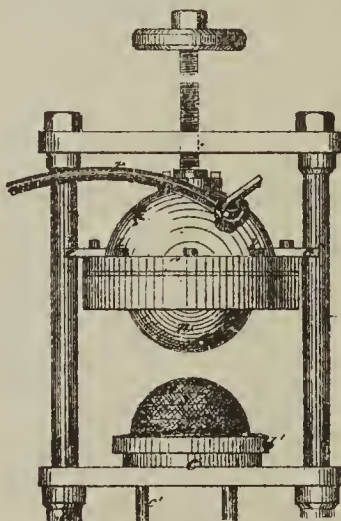
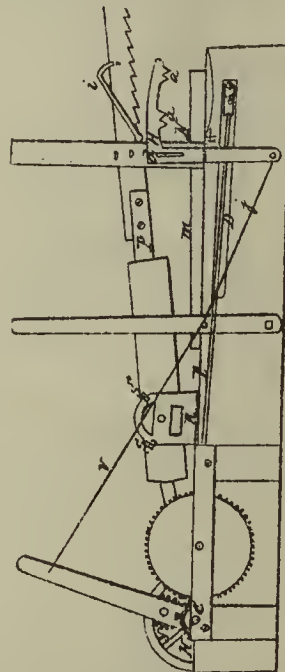
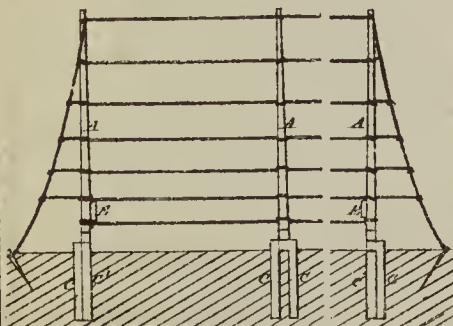
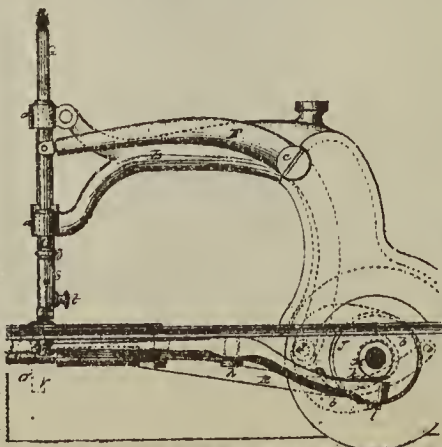
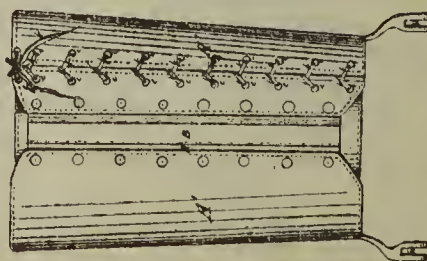


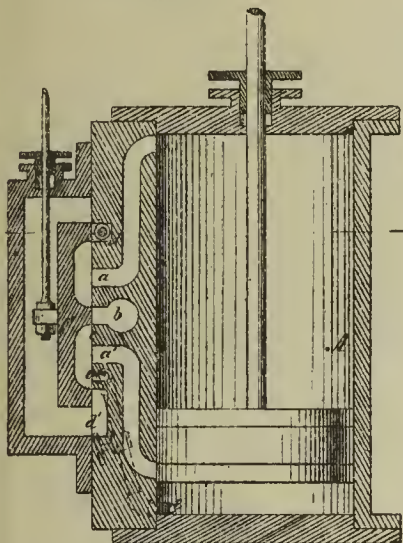
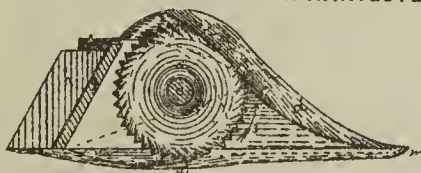
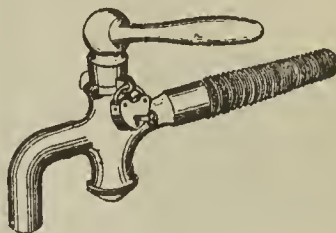
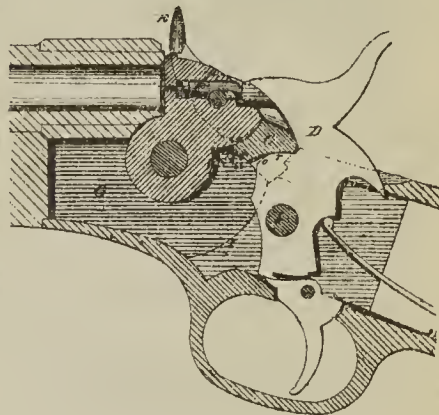
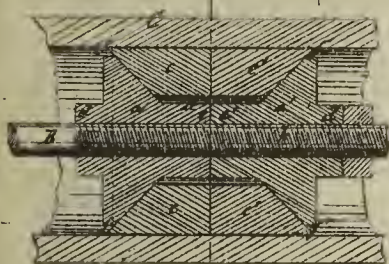
112,668. WM. ACHESON.
ROLLS FOR FORMING
HORSESHOE-BLANKS.



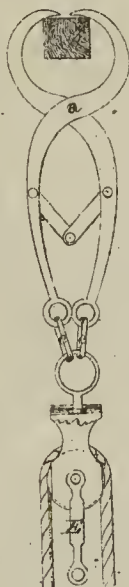
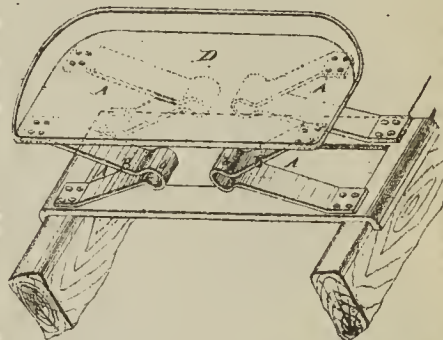
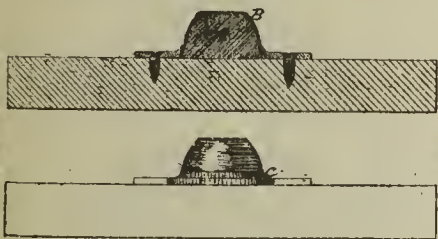
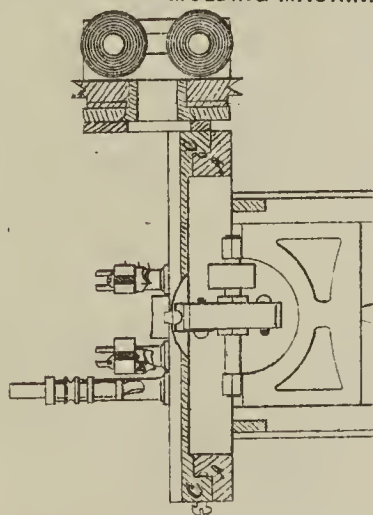
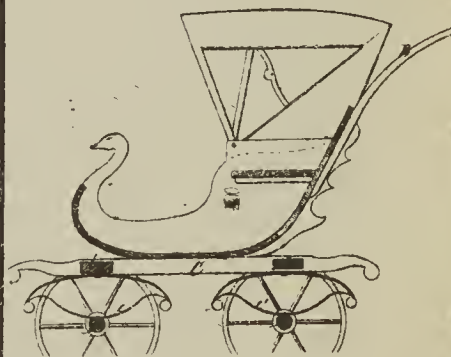
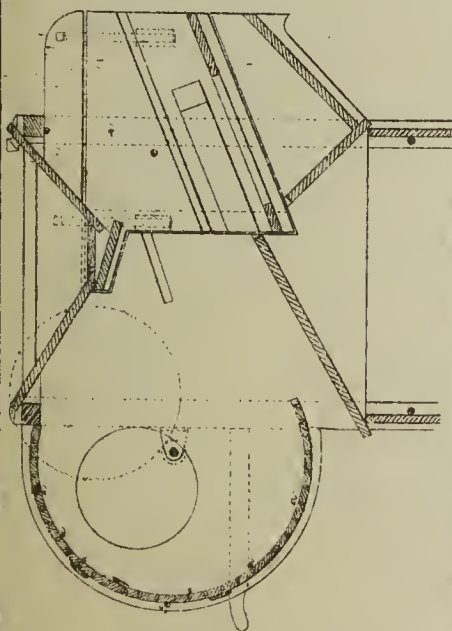
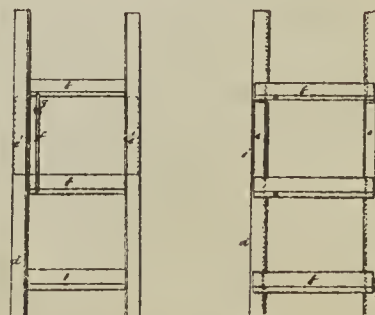
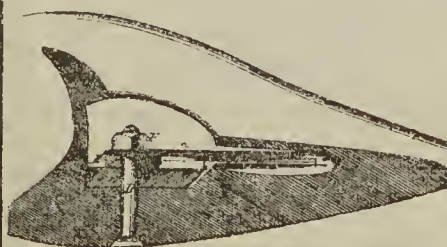
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VENTILATING MILK-CANS.

112,679, WM. H. BOOZER. LOOMS.

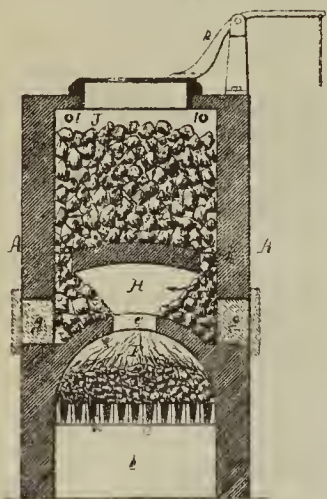
112,675, JOSEPH R. BAILEY.
BENCH-PLANES.112,670, G. W. ALEXANDER.
RAILROAD-STATION INDICATORS.112,676, JOHN W. BARTON.
THOMAS HOLMES.
ROTARY HARROWS.112,680, MYRON T. BOULT.
CARVING-TOOLS.112,671, J. B. ALEXANDER.
RAILROAD-STATION INDICATORS.112,677, SAMUEL BEATTY.
HAT-PRESSES.112,682, GEORGE W. BRAYMER.
SAWING-MACHINES.112,672, WILLIAM ALTICK.
F. P. GRIMES.
FENCES.112,678, JOSEPH BENNOR.
SEWING-MACHINES.112,673, CHAS. R. ANDERSON.
DOOR-CHECKS.112,683 S. F. BURD.
J. F. DENNISTON.
CLASPS FOR ARTIFICIAL LIMBS.

112,684 A. S. CAMERON.
STEAM-VALVES.112,689 GEORGE W. COOK.
FRANCIS M. DUNCAN.
CUTTING APPARATUS FOR HARVESTER112,693, ELLWOOD DAVIS.
JACOB M. STILES.
LOCKING STOP-COCKS.112,694 WILLIAM C. DODGE.
PHILIP T. DODGE.
BREECH-LOADING FIRE-ARMS.112,685, A. S. CAMERON.
PISTON-PACKINGS.

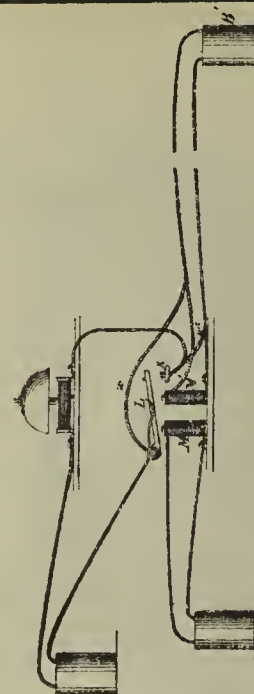
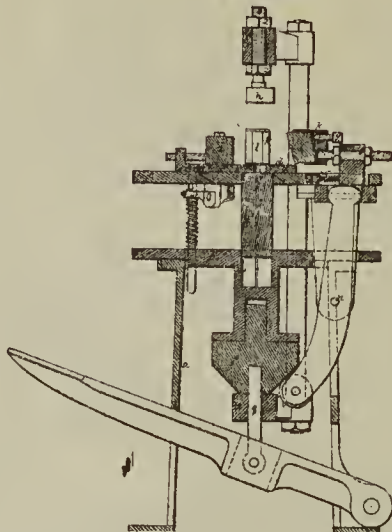
112,690. EDWIN G. ORANDAL. GRAPPLES.

112,695. W. P. ELAM.
SPRING-SEATS FOR WAGONS.112,686, DAVID H. OLARK.
HENRY WINSON.
FURNITURE-PADS.112,691, JAMES H. CULVER.
MOLDING-MACHINES.112,696, ROSCOE G. ELDER.
CHILDREN'S CARRIAGES.112,687, G. E. OLARKE.
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ROTATING CYLINDER-ENGINES.

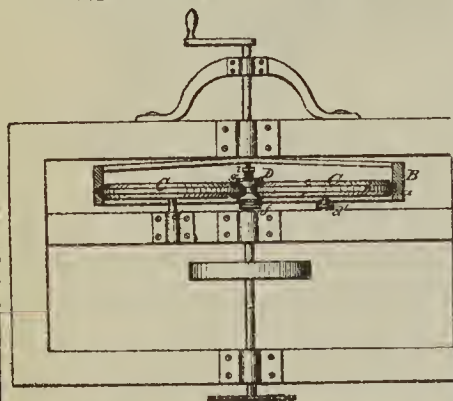
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FURNACES FOR TREATING ORES, &c.



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MACHINES FOR MAKING BOOT
AND SHOE-HEELS.

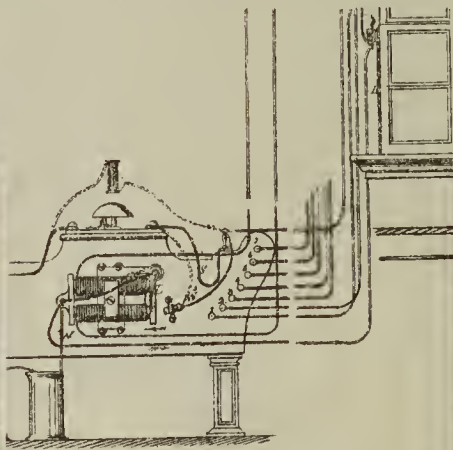


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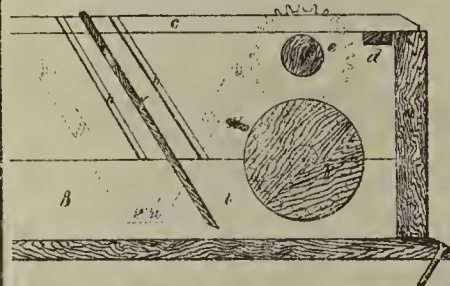


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STAINING GLASS.

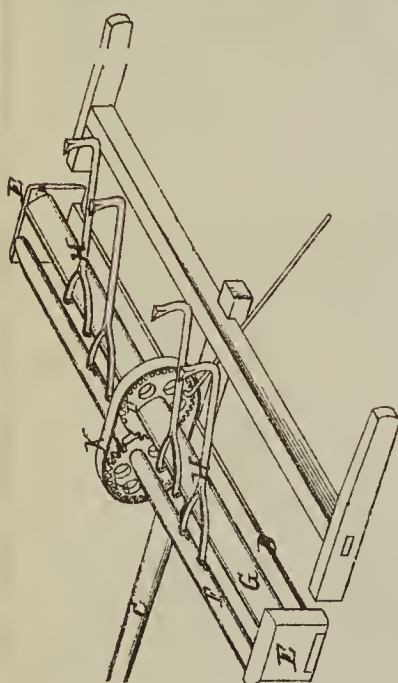
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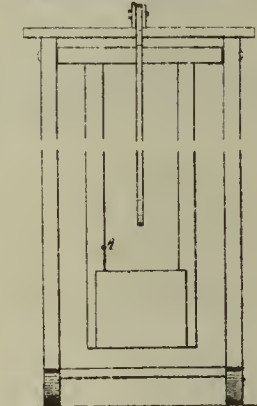
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DOUGH-KNEADERS.



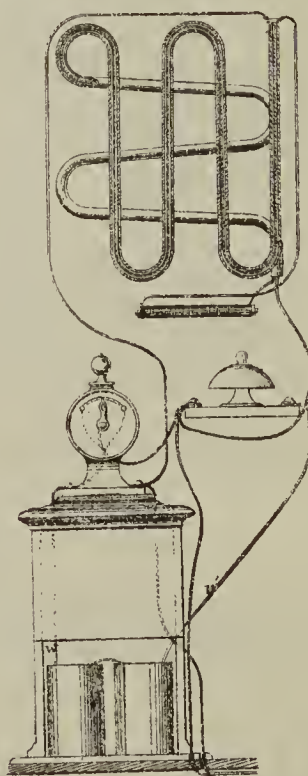
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GRAIN-DRILLS.



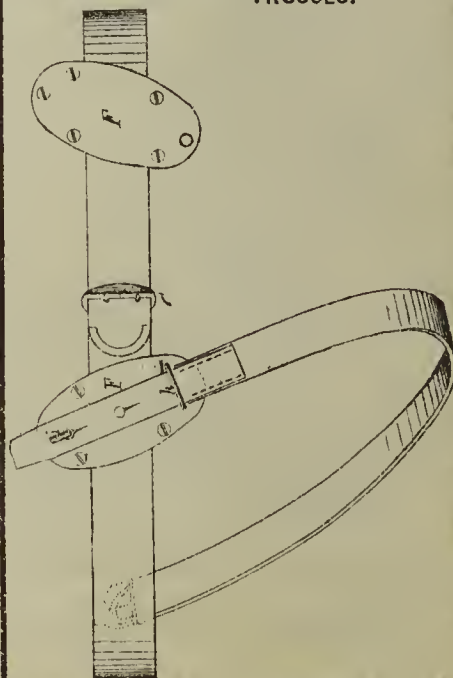
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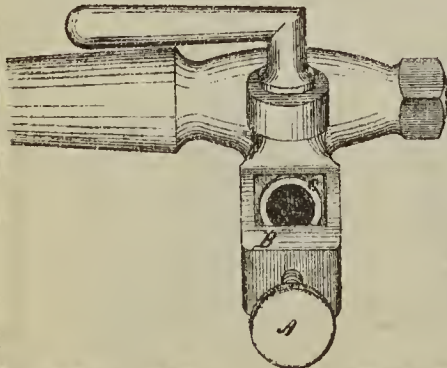
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ELECTRO-MAGNETIC BURGLAR-ALARM



112,709, HENRY HOWE.
TRUSSES.

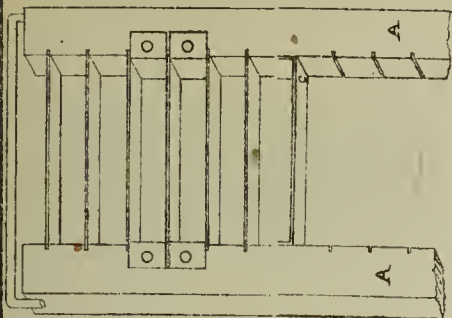


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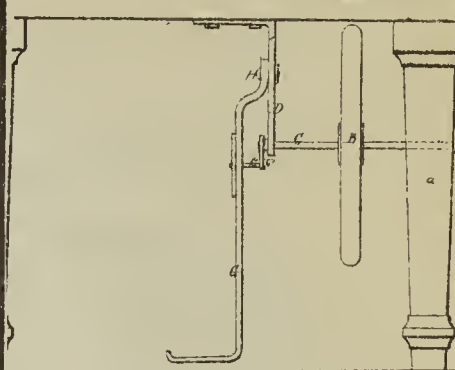
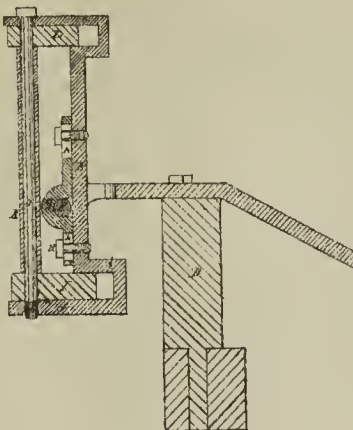


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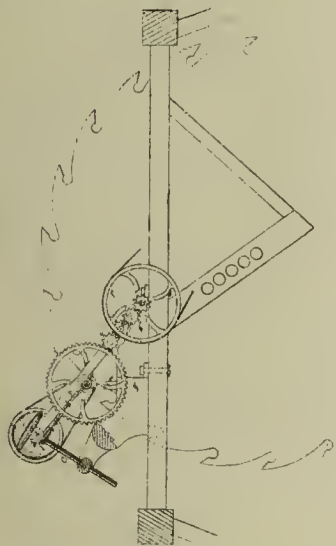
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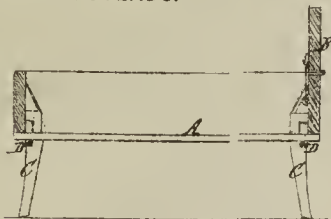
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DRAFT-EQUALIZERS FOR THREE HORSES.



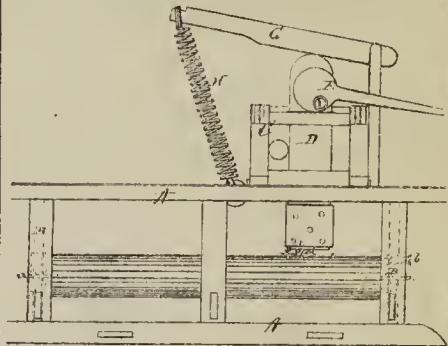
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SAW-GUMMERS.



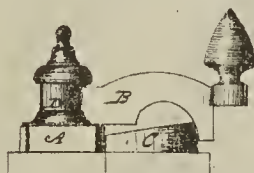
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BEDSTEADS.



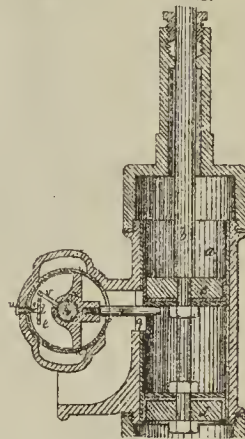
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MACHINES FOR CUTTING SPLITS.



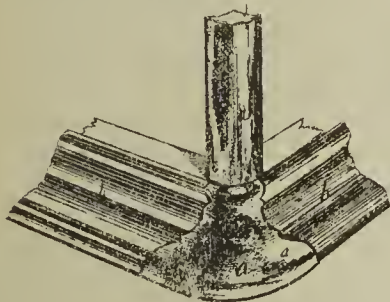
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WINDOW-BUTTONS.



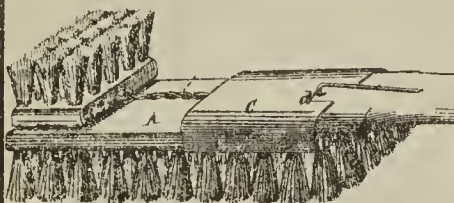
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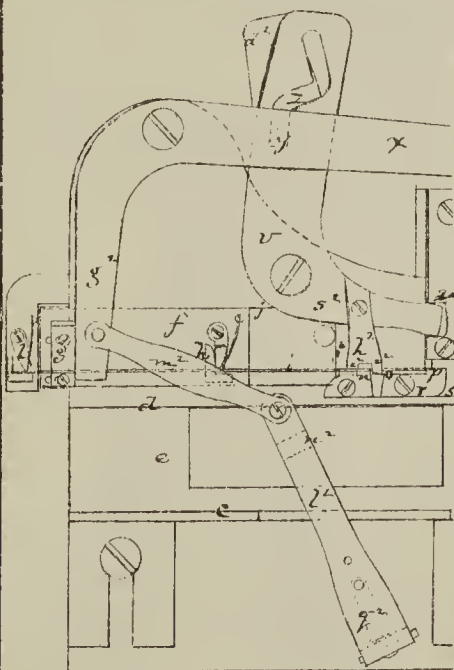
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SHOW-CASES.



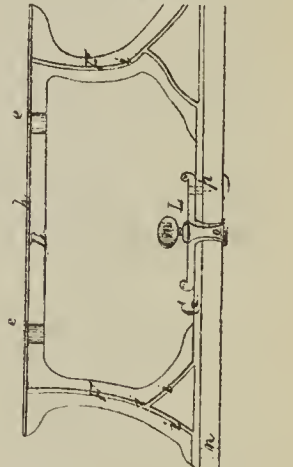
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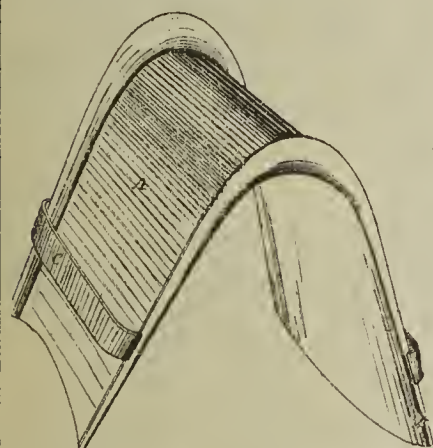
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MACHINES FOR MAKING AND SETTING
BLIND-STAPLES.



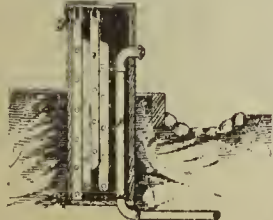
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WILLIAM SHIMANOUR.
ATTACHING SEATS TO WAGONS.



112,713, LEMUEL L. HULL.
PADS FOR HORSE-COLLARS.

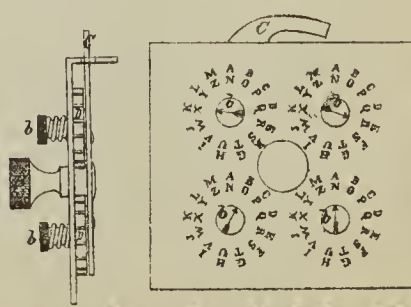


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FIRE-ESCAPES.



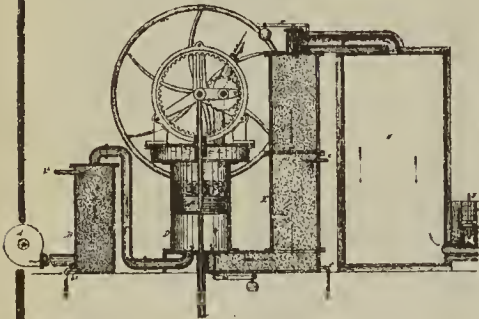
112,720, EBEN W. KEYES.
TREADLE-MOTIONS.

112,724, SAMUEL LOYD.
PERMUTATION-LOCKS.

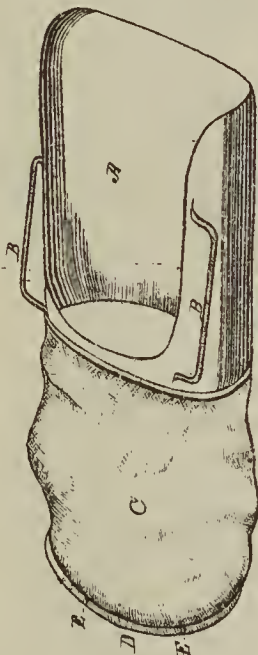


112,725. ORAZIO LUGO.
MANUFACTURE AND TREATMENT
OF ALCOHOLIC SPIRITS.

112,726. ORAZIO LUGO.
JAMES B. McPHERSON.
COOLING AIR AND IN THE
MANUFACTURE OF ICE.



112,727. WILLIAM F. LUM.
COMBINED BAG-HOLDERS AND FILLERS.

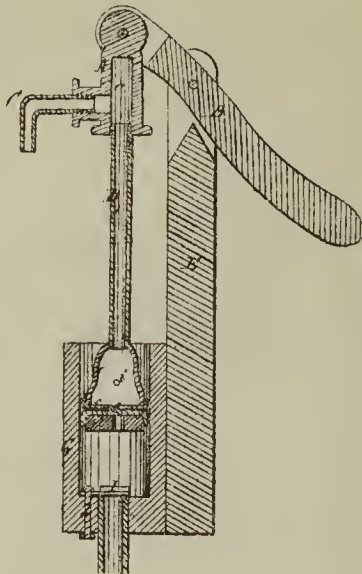


112,728. JOHN J. LUNDY.
COMPOUNDS FOR LUBRICATING WOOL.

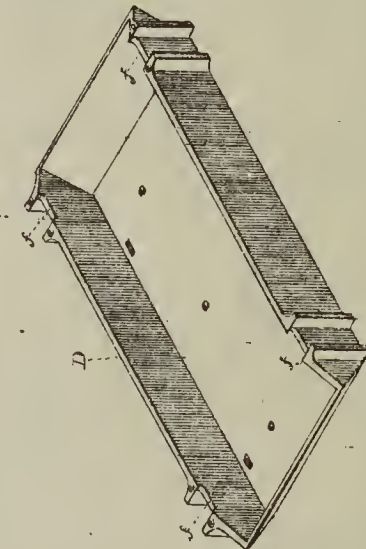
112,729 J. M. MASON.
DRESS-SWORDS.



112,730. B. F. MCKEEHAN.
PUMPS.

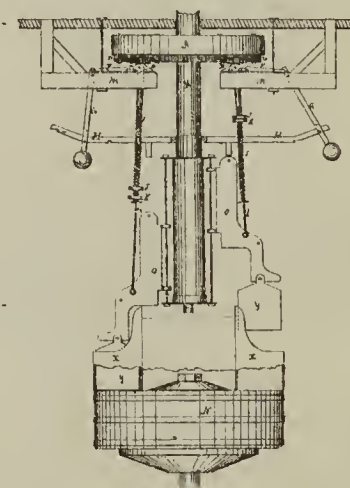


112,731. LAURENCE MYERS.
HOSE-TUNNELS FOR CITY RAILWAYS.

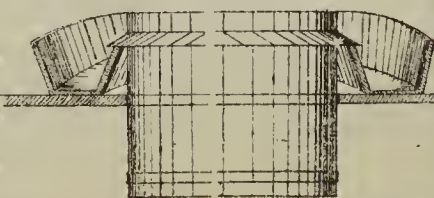


112,732. LEMUEL PAGIN.
COMPOUNDS FOR DESTROYING
POTATO-BUGS.

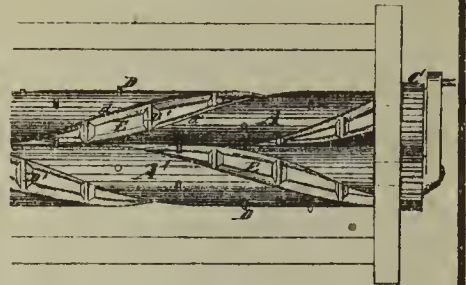
112,733. SANDFORD A. PERKINS.
MACHINES FOR GRINDING WOOD-PULP.



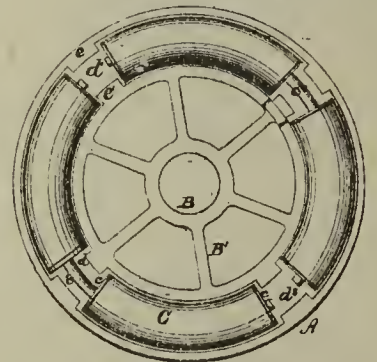
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WOOD-PULP MACHINES.



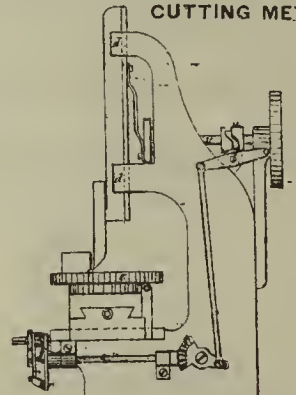
112,735. PETER PHILIP.
ROLLS FOR HUSKING CORN.



112,736. JNO. L. POST.
DEVICES FOR PREVENTING
BACK-LASH IN MACHINERY.

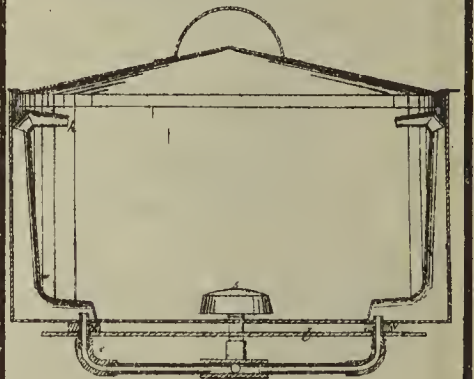


112,737. SALMON W. PUTNAM, JR.
MACHINES FOR SLOTTING AND
CUTTING METAL.



112,738. JNO. T. RANDALL.
POLISHING COFFEE.

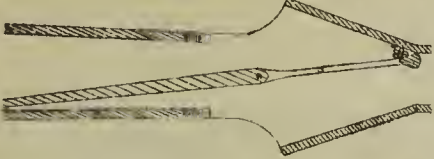
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WASH-BOILERS.



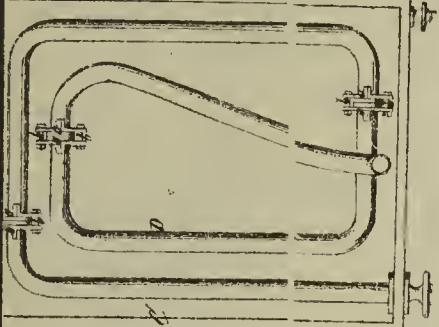
112,740. BENJAMIN F. RYDER.
CASTERS FOR SEWING-MACHINES.



112,741. LEVI SCOFIELD.
SEED-TUBES FOR CORN-PLANTERS.



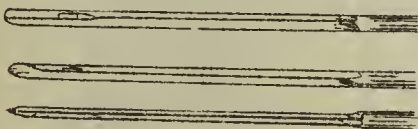
112,742. HUGO SELL.
BEER-COOLERS FOR BEER ON DRAUGHT.



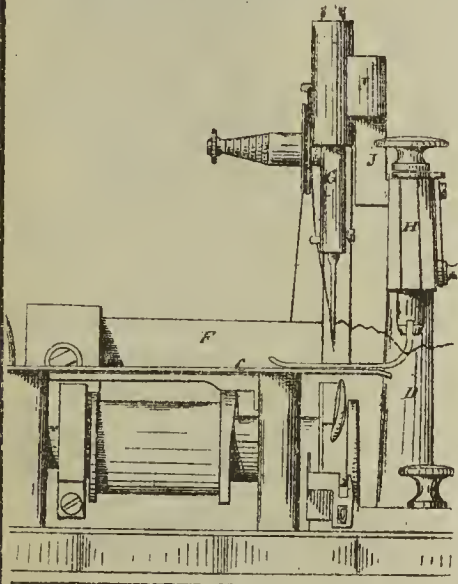
112,743. MOSES SEWARD. CARRIAGE-CLIPS



112,744. JOHN J. SIBLEY.
SEWING-MACHINE NEEDLES.



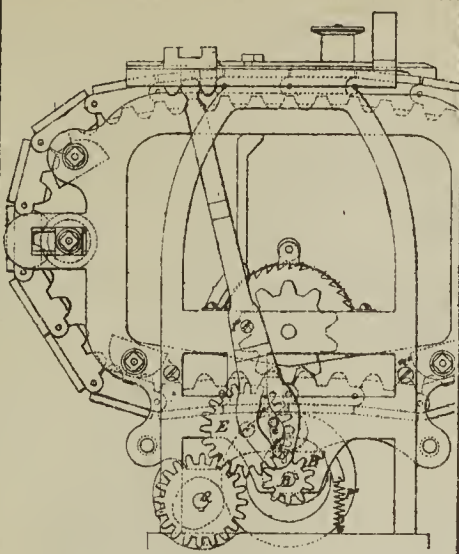
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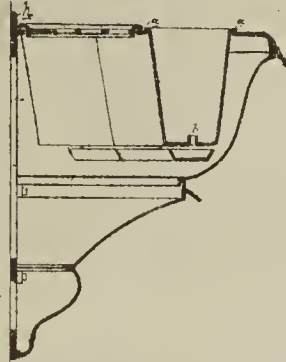
112,746. SYDNEY E. SMITH.
SUSPENDERS.



112,747. G. STACKPOLE.
SEWING-MACHINES.

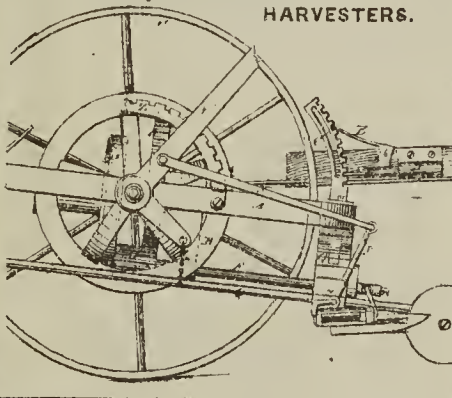


112,748. ELIZABETH MARY STIGALE.
FLORAL-BRACKETS.

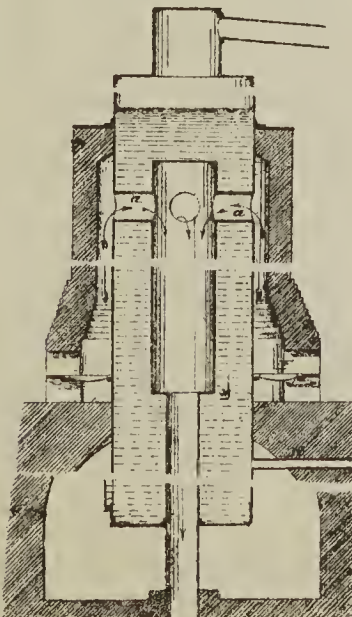


112,749. WILLIAM P. THOMAS.
JOSEPH F. BOARDMAN.
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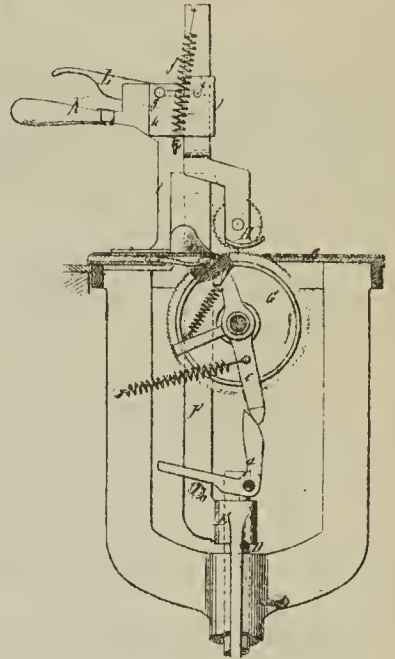
112,750. AUSBERT H. WAGNER.
HARVESTERS.



112,751. W. G. WARDEN.
APPARATUS FOR DISTILLING
PETROLEUM AND OTHER LIQUIDS.



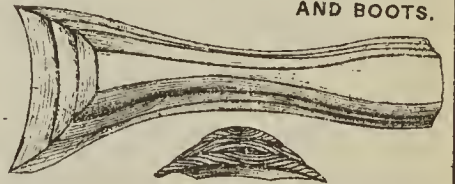
112,752. ALBIN WARTH.
MACHINES FOR CUTTING TEXTILE AND
OTHER MATERIALS.



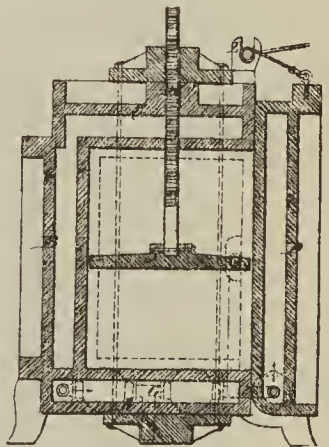
112,753. ALBIN WARTH
FASTENINGS FOR TEXTILE FABRICS.



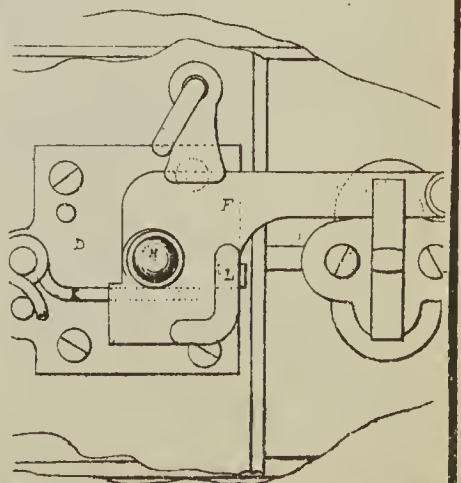
112,754. JEREMIAH MEARS WATSON.
WOODEN SHANKS FOR SHOES
AND BOOTS.

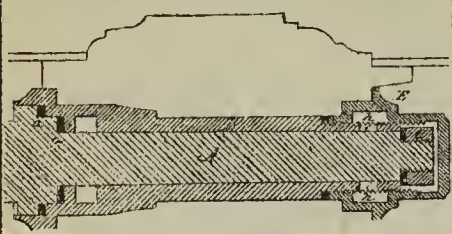
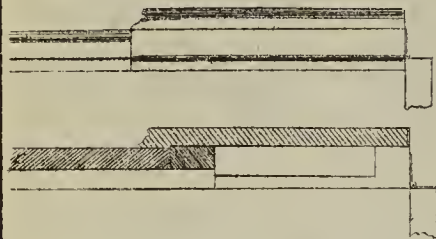


112,755. HENRY W. WEICKER.
APPARATUS FOR VULCANIZING RUBBER

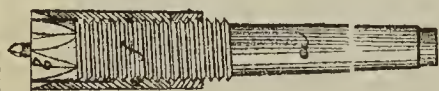


112,756. PETER L. WEIMER.
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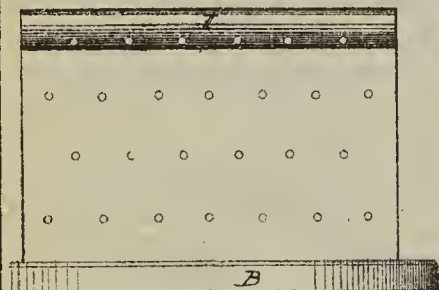
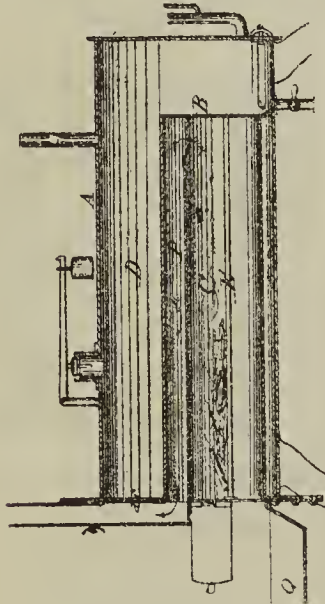


112,757, EDWARD WELLS.
CARRIAGE-AXLES.112,758, EDWARD WELLS.
LANDAU CARRIAGES.

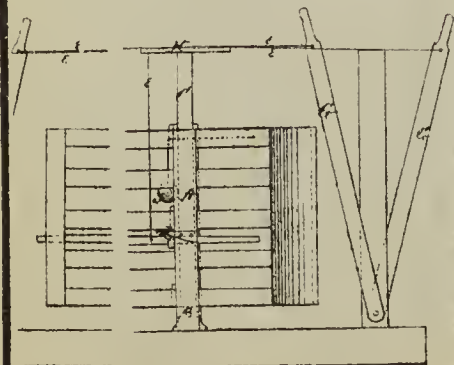
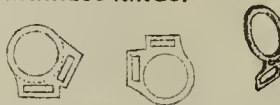
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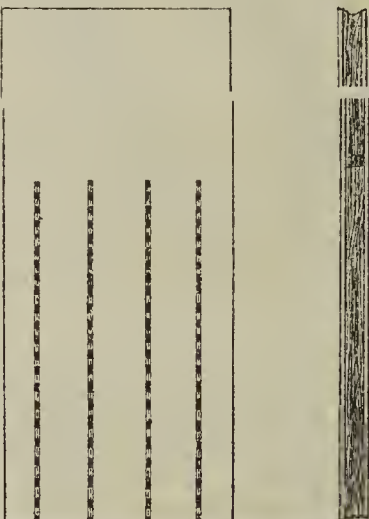
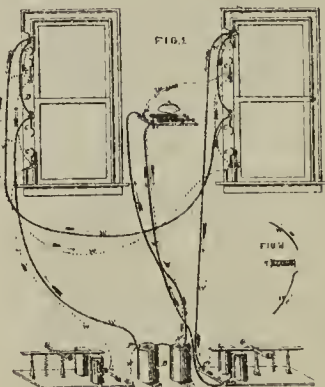
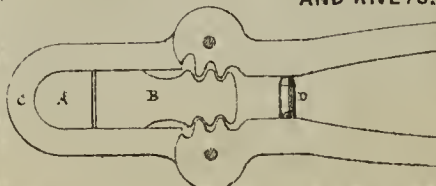
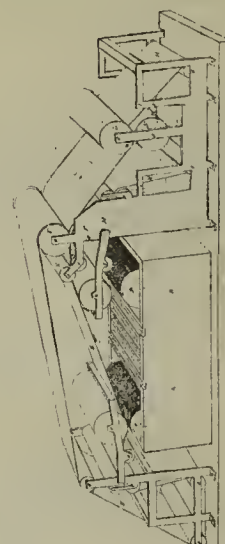
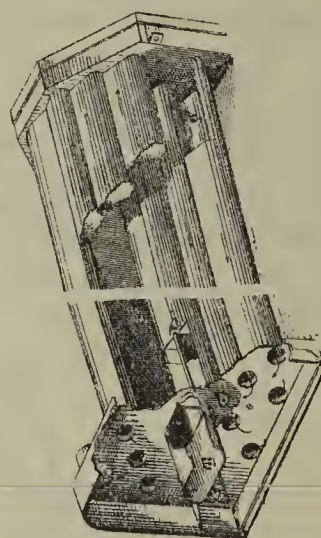
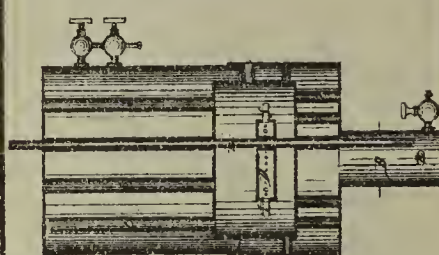
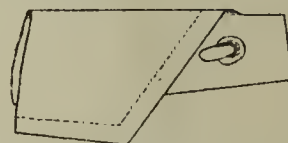
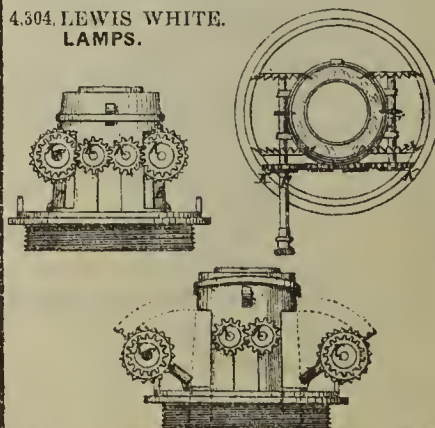
112,760, WOLCOTT B. WHITE. WASH-BOILER.

112,761, JAS. E. WOODRUFF.
PORTABLE STEAM-GENERATORS.

112,762, CLAIBORNE WRIGHT. GATES.

112,763, WILLIAM C. DODGE.
BREECH-LOADING FIRE-ARMS.4,295, HORACE N. EAMES.
HARNESS-RINGS.

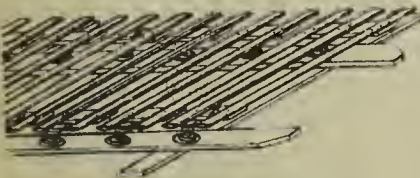
4,296, JOEL F. FALES. CARPET-LININGS.

4,297, W. B. GUERNSEY.
ELECTRO-MAGNETIC BURGLAR-ALARMS4,299, JESSE JOHNSON.
DEVICES FOR CUTTING BOLTS
AND RIVETS.4,300, SAMUEL G. LEVIS.
MAKING THICK PAPER.4,301, ABRAHAM L. PENNOCK.
STEAM-GENERATORS.4,302, PATRICK QUINN.
STEAM-BOILERS.4,303, B. M. SMITH.
BUTTON-HOLES4,304, LEWIS WHITE.
LAMPS.

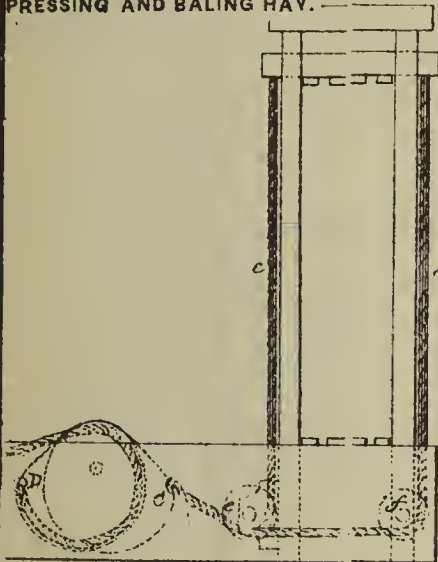
ILLUSTRATIONS OF PATENTS
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112,764, NATHAN B. ABBOTT,
COMPOSITIONS FOR PAVEMENTS.

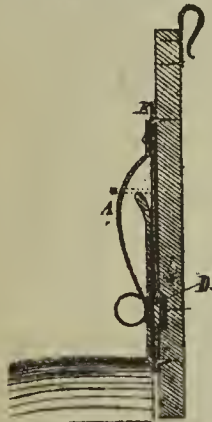
112,765, JOHN H. ALLYN.
BED-BOTTOMS.



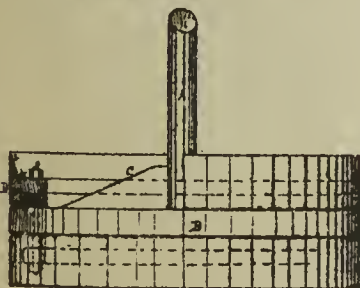
112,766, GEORGE H. AYLWORTH.
PRESSING AND BALING HAY.



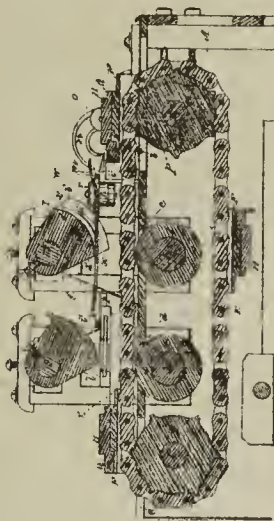
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HAT AND CAP-HOLDERS.



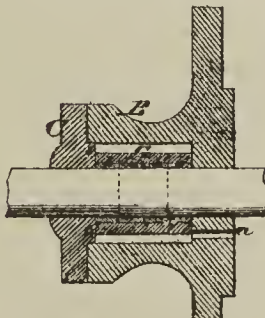
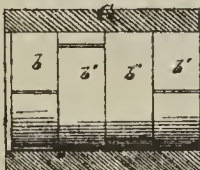
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PUMP-PISTONS.



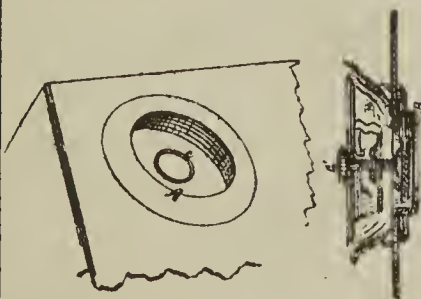
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HORSESHOE-MACHINES.



112,770, JAMES H. BLESSING.
PISTON-ROD PACKINGS.

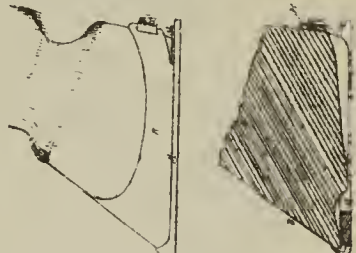


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TAPS AND NOZZLES FOR OIL-CANS.

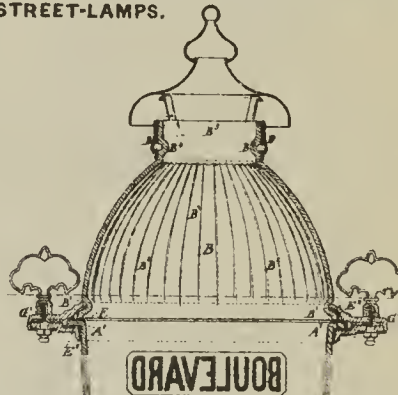


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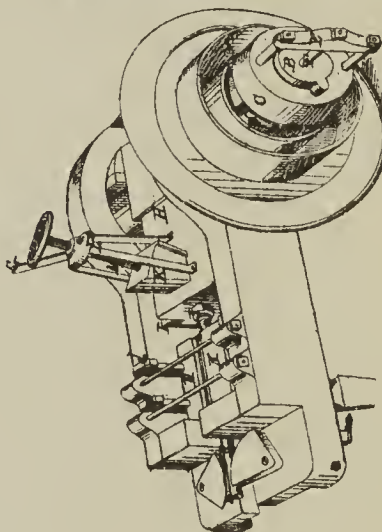
112,773, JOSEPH BECKETT.
HORSE-SHOES.



112,774, GEO. BRANDON.
STREET-LAMPS.

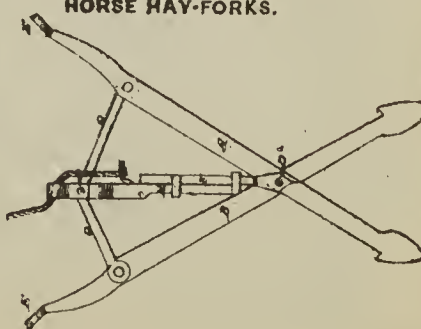


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JOSEPH A. BRISCOE.
MACHINES FOR UPSETTING BOLTS.

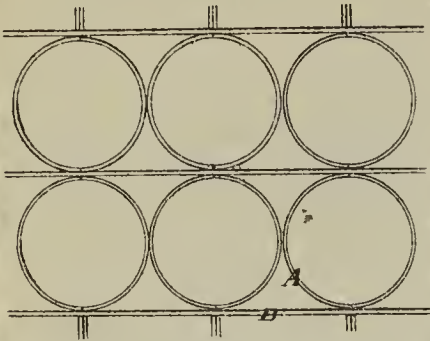


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GREEN GLAZE FOR FLOWER-POTS.

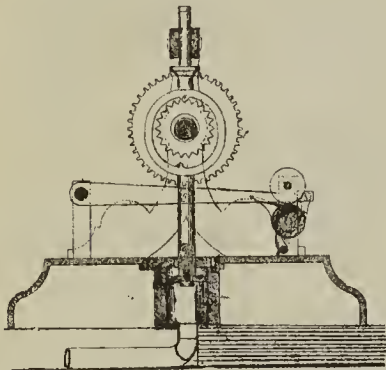
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HORSE HAY-FORKS.



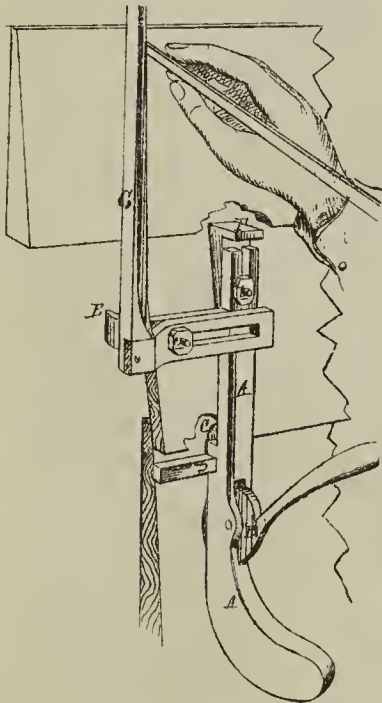
112,778, ABNER H. BRYANT.
DEVICES FOR TRANSPORTING EGGS.



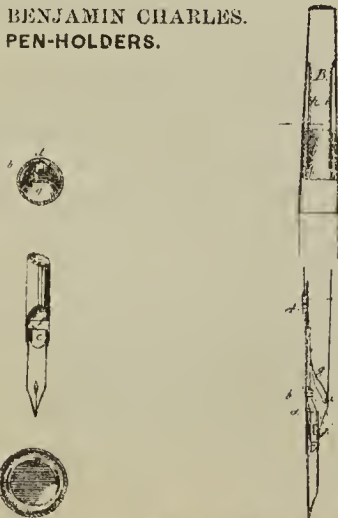
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GEO. B. FIELD.
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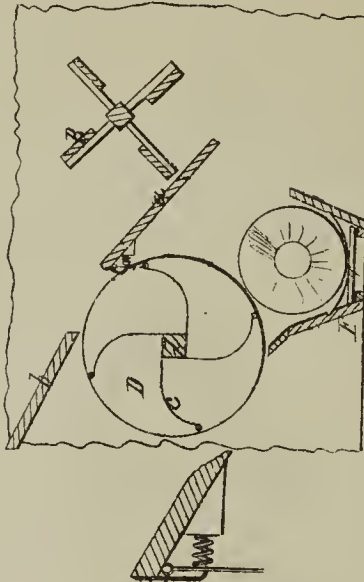
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COMBINED GAUGES AND TRY-SQUARES.



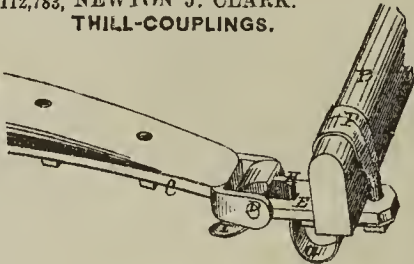
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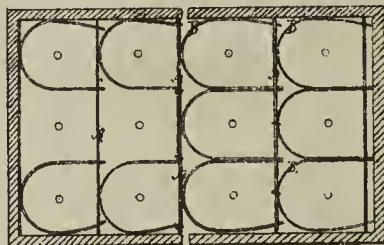
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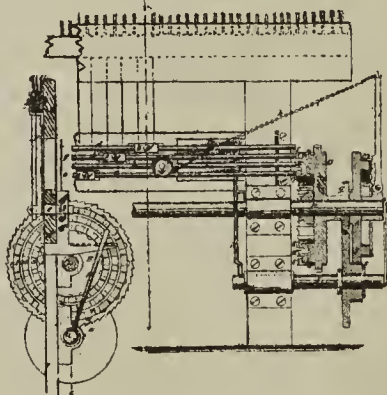
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THILL-COUPPLINGS.



112,784, W. J. CLARK.
EGG AND FRUIT-CARRIERS.

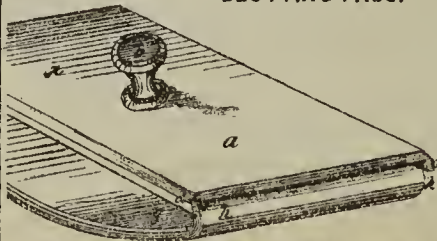


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JOSEPH CROMPTON.
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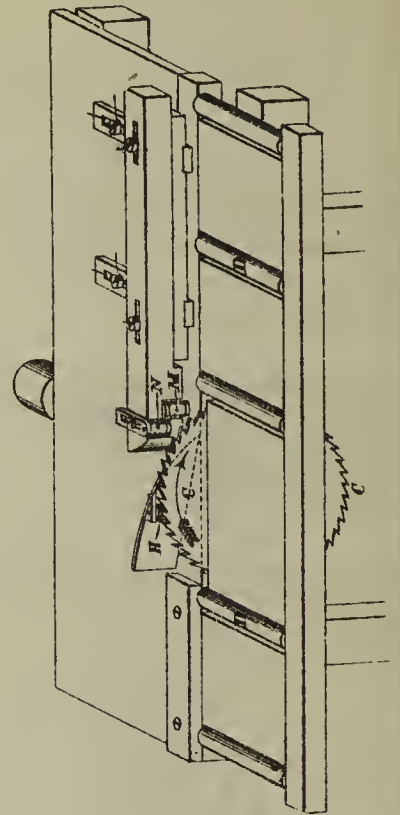


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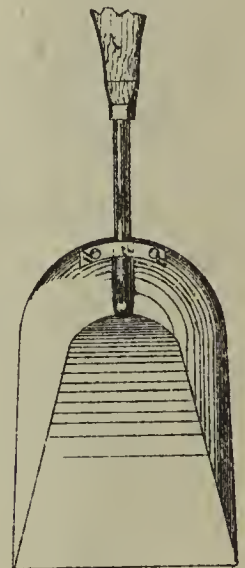
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BLOTTING-PADS.



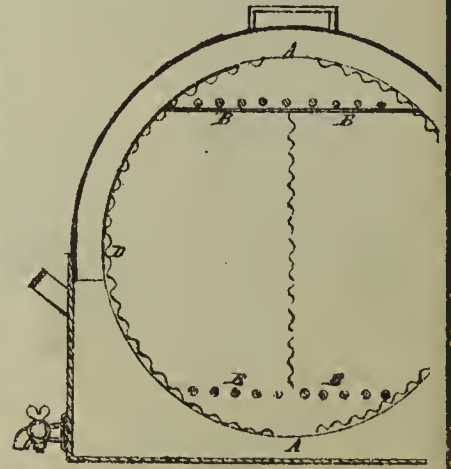
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SAWING-MACHINE TABLES.



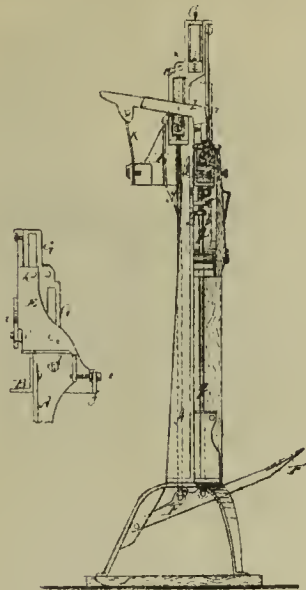
112,789, ISAAC W. DENNING.
FIRE-SHOVELS.



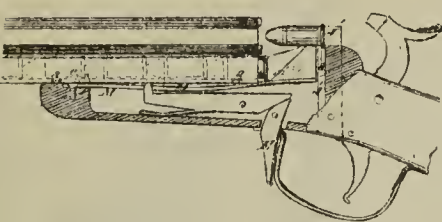
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WASHING-MACHINES



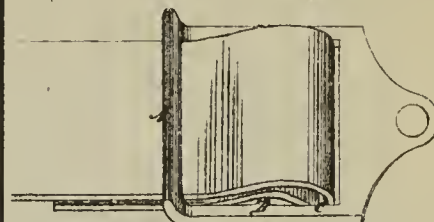
112,791, ELIJAH F. DUNAWAY.
BLIND-WIRING MACHINES.



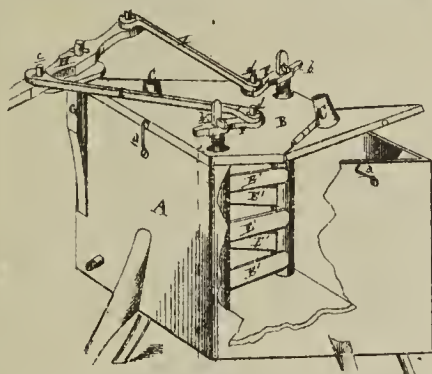
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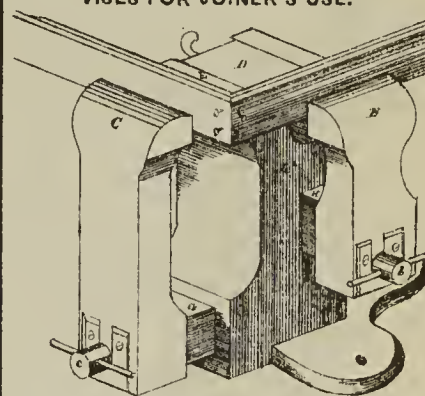
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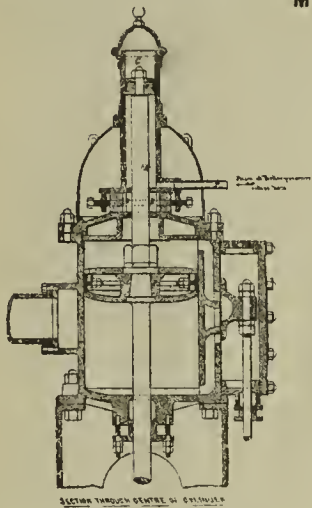
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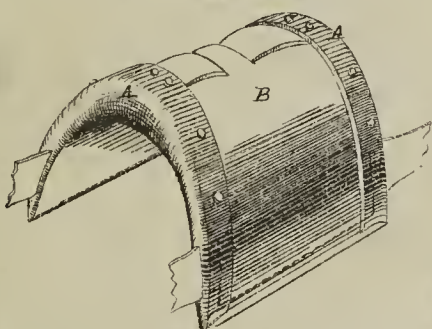
112,801, JONATHAN GOOD.
VISES FOR JOINER'S USE.



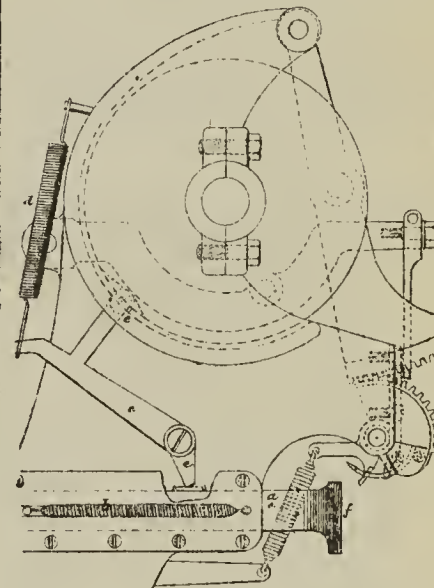
112,792, WILLIAM F. DUFEE.
BALANCING VERTICAL-RECIPROCATING
MASSES.



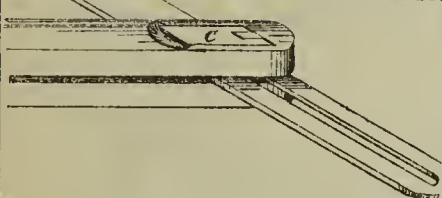
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HORSE-COLLAR PADS.



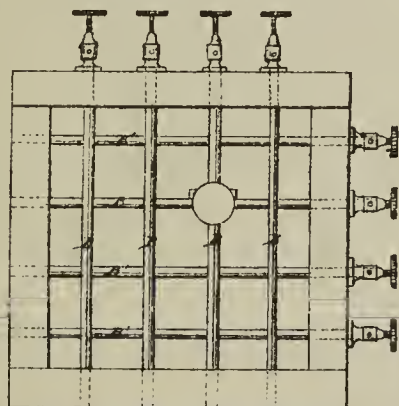
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MACHINES FOR SEWING BOOTS
AND SHOES.



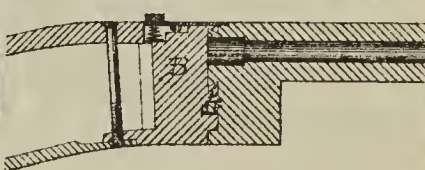
112,793, WILLARD C. ELLIS.
ADJUSTABLE BEVELS.



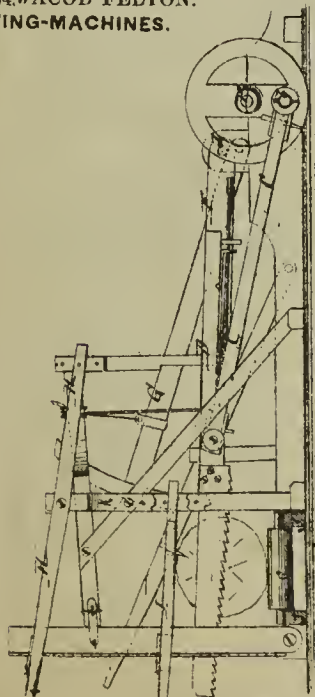
112,798, A. H. FREEMAN.
TELEGRAPH-SWITCHES.



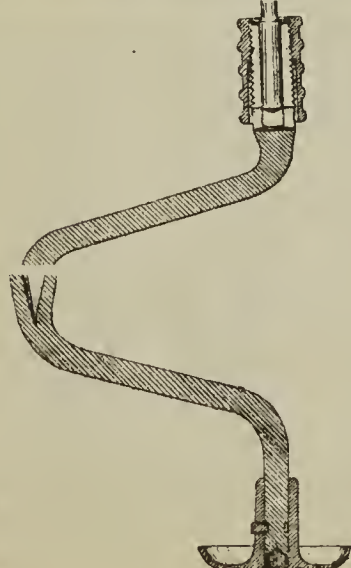
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JOSEPH H. ROMANS.
BREECH-LOADING FIRE-ARMS.



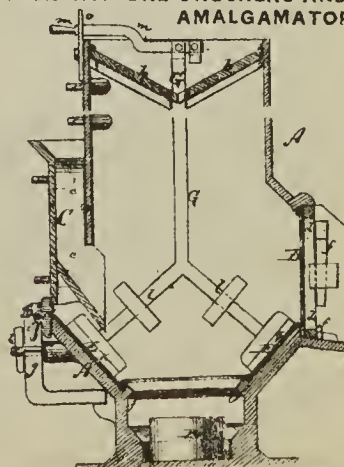
112,794, JACOB FELTON.
SAWING-MACHINES.



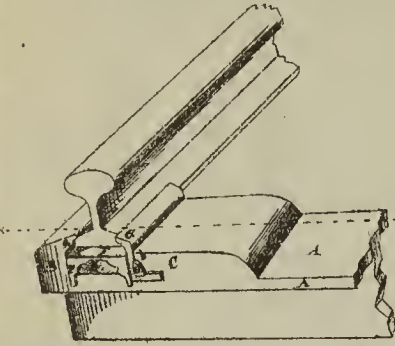
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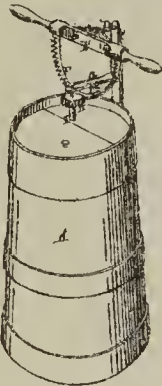
112,804, LYMAN GRISWOLD.
COMBINED ORE-CRUSHERS AND
AMALGAMATORS.



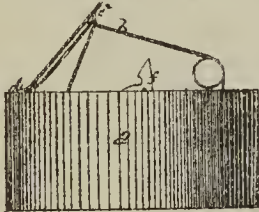
112,805. SAMUEL M. GUEST.
RAILWAY-RAIL CHAIRS.



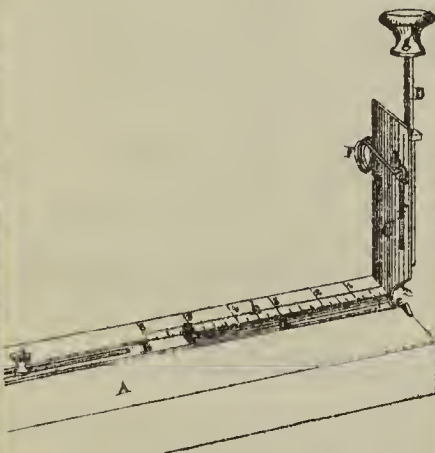
112,806, HEMAN S. GURNEY, CHURNS.
HORACE MERRILL.



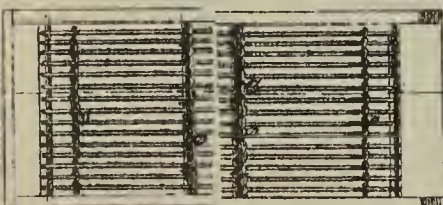
112,807, GEORGE L. HAET.
MOUSE AND ANIMAL-TRAPS.



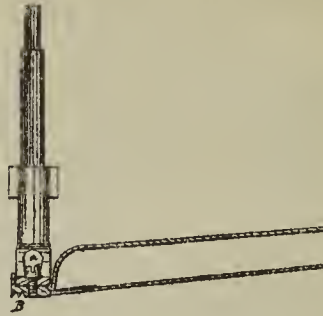
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APPARATUS FOR CUTTING THE
ENDS OF CIGARS.



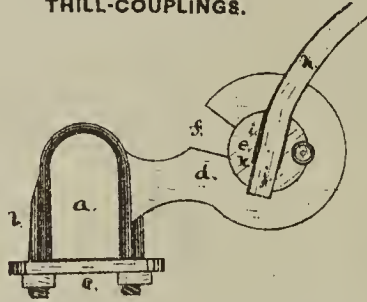
112,809, SAMUEL HOLDSWORTH.
SAND-SCREENS.



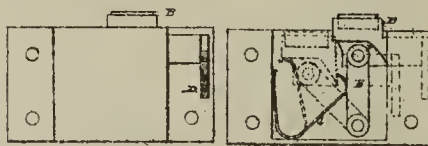
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CORD-GUIDES FOR SEWING-MACHINES.



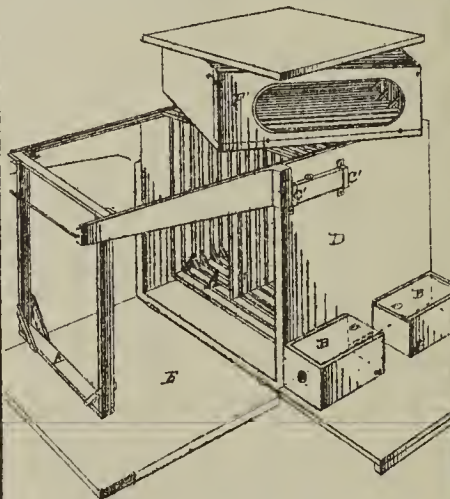
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THILL-COUPPLINGS.



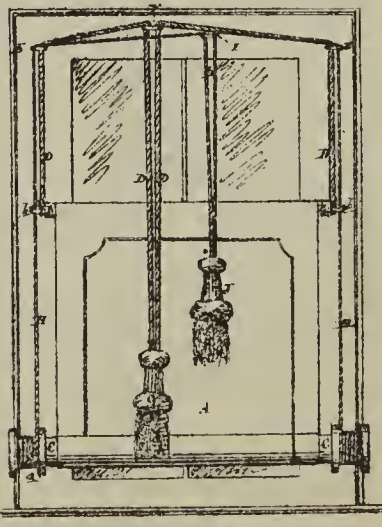
112,812, PHILO B. HOVEY.
SASH-HOLDERS.



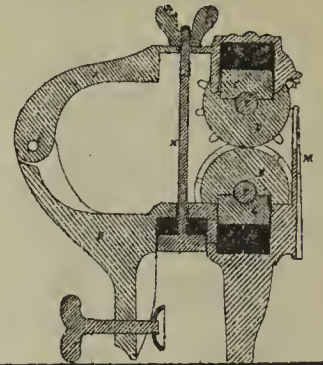
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BEE-HIVES.



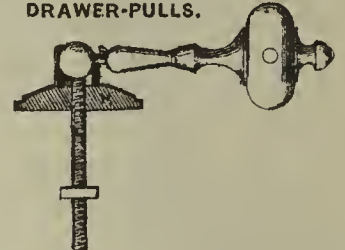
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CURTAIN-FIXTURES.



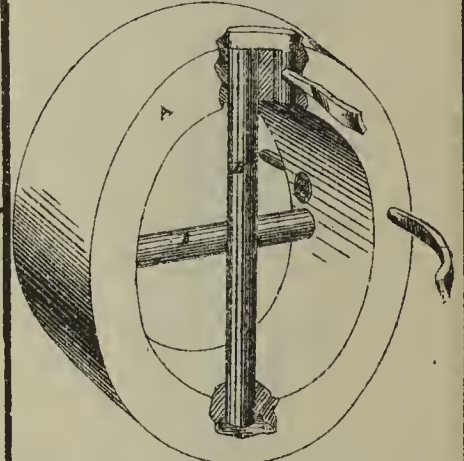
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CLOTHES-WRINGERS.



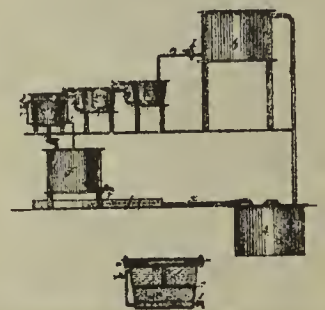
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DRAWER-PULLS.



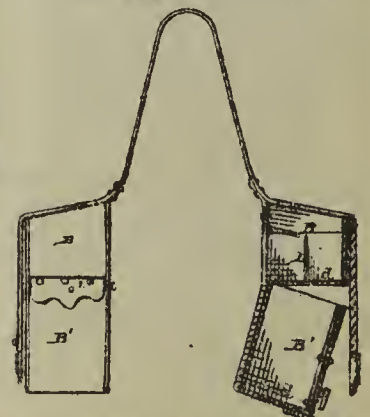
112,817, DARIUS KNICKERBOCKER.
SAMUEL KNICKERBOCKER.
SHAFT-COUPPLINGS.

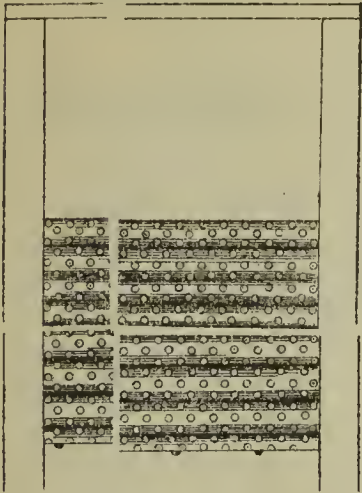
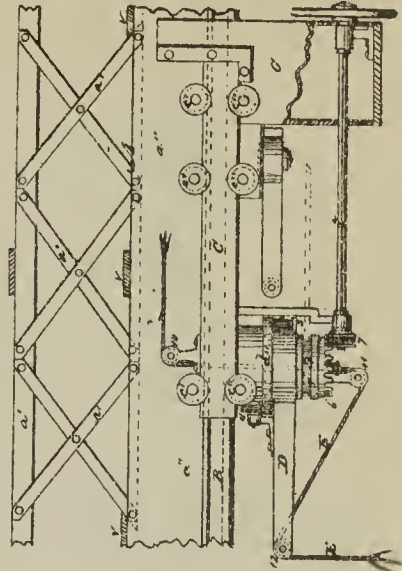
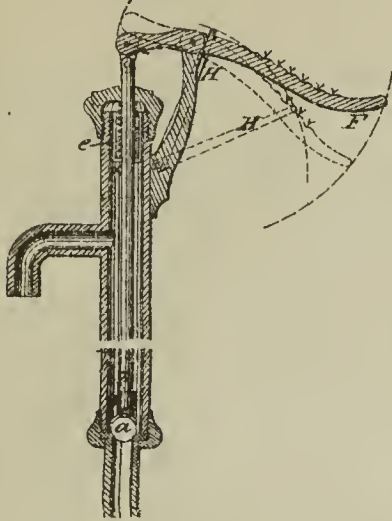
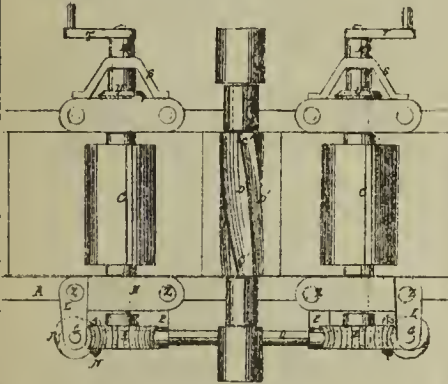
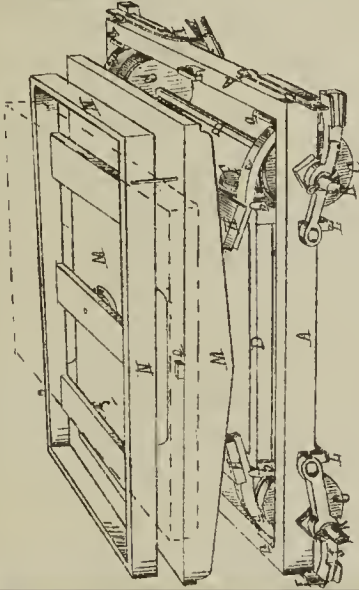
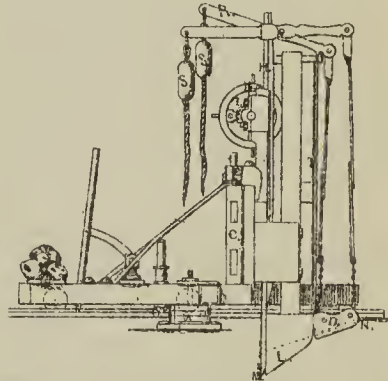
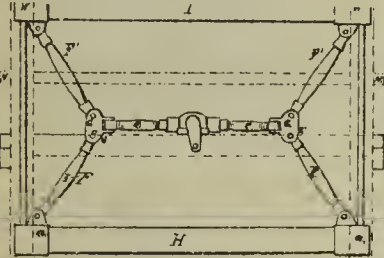
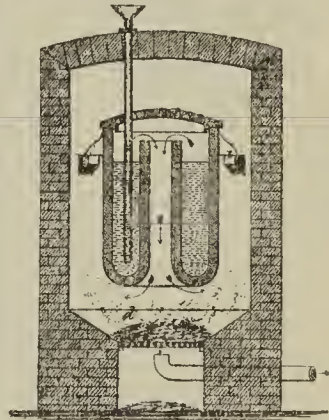
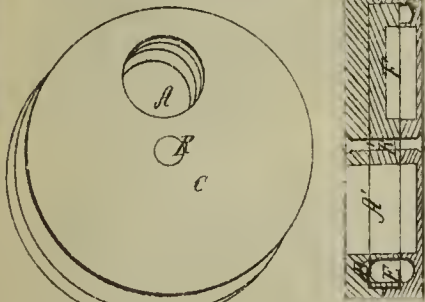
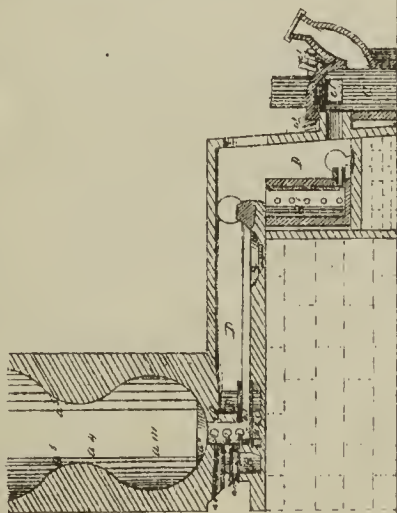
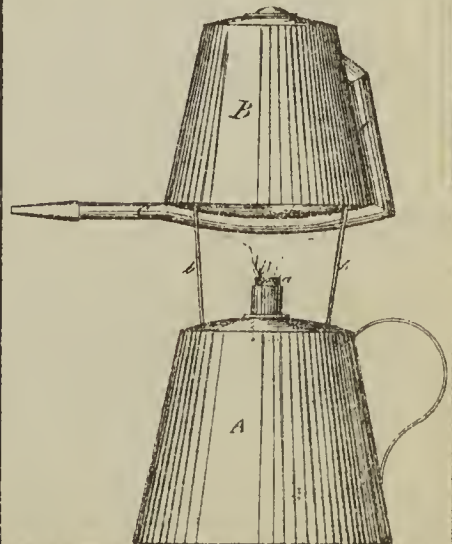
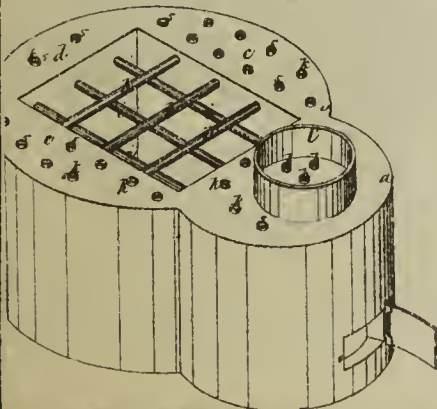


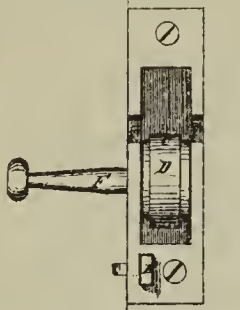
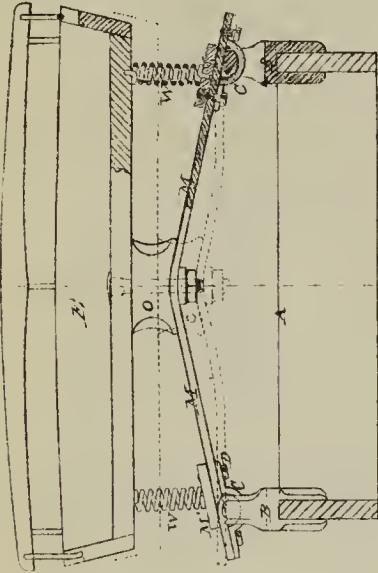
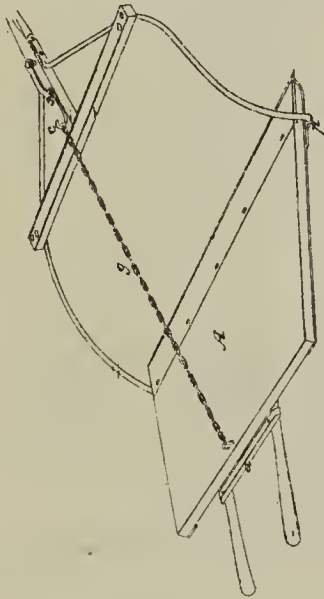
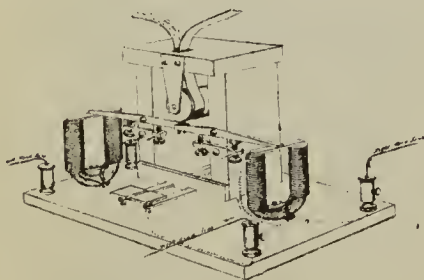
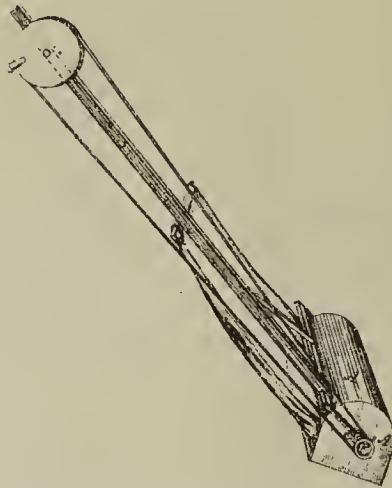
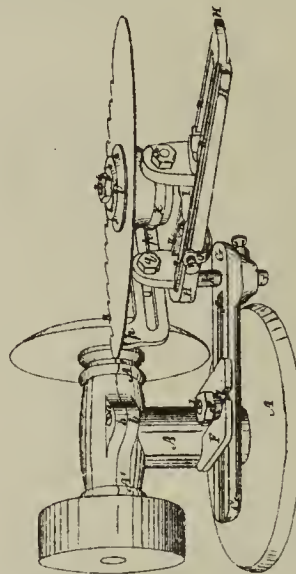
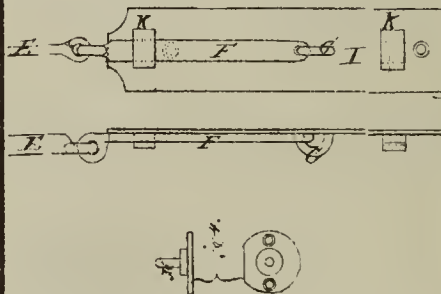
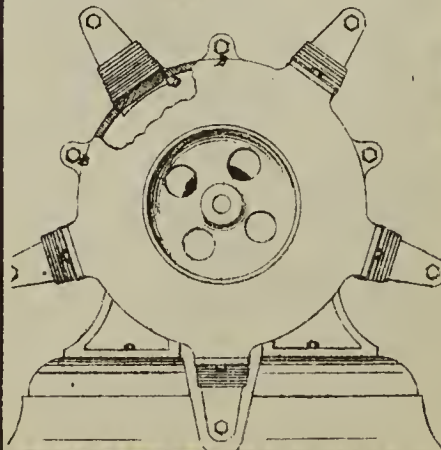
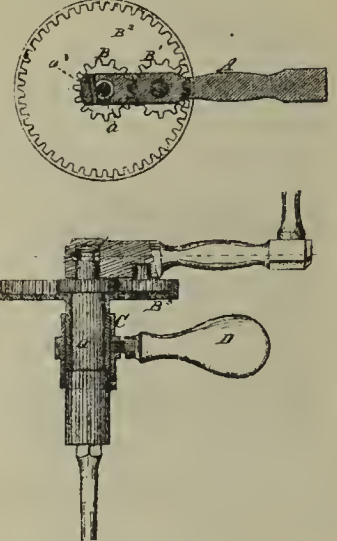
112,818, ARCHIBALD K. LEE.
RECTIFYING HIGH-WINES.



112,819, ANDREW M. LESLIE.
PHYSICIANS' SADDLE-BAGS.



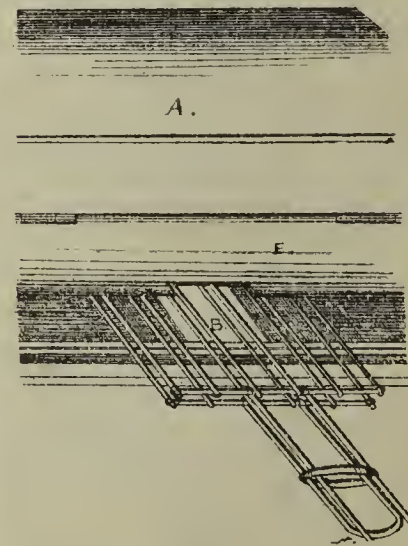
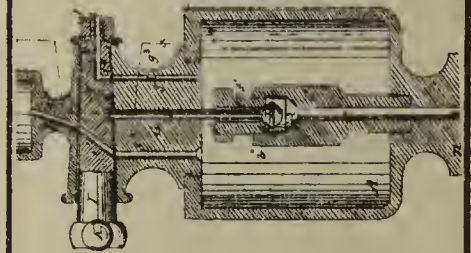
112,820, CHARLES LETTERMAN.
WASH-BOARDS.112,825, JOHN McCANN.
HYDRANTS.112,821, CHAS. LEVEY.
PLANING-MACHINES.112,826, PATRICK HENRY McWILLIAMS.
RAILWAY SHIFTING-TRUCKS.112,830, HERMANN MIELISCH.
PEAT-MACHINES.112,822, ELI W. LONG.
ISAAC N. PATTEN.
COTTON-PRESSES.112,831, AD. MILLOCHAU.
APPARATUS FOR REFINING METALS.112,823, SAMUEL LOYD.
TOY PUZZLES.112,827, EDWARD L. MEGILL.
PLATEN FEED-GUIDES.112,825, JOHN W. MIDDLETON.
MANUFACTURE OF IRON AND STEEL.112,832, THEO. F. MOODY.
APPARATUS FOR REMOVING
PAINT, VARNISH, &c.112,824, JAS. A. MAYNARD.
BOILERS FOR HEATING PURPOSES.112,829 JOHN W. MIDDLETON.
CRANES.

112,833, JAMES B. MORGAN.
SASH-HOLDERS.112,834, VALENTINE MYERS.
WAGON-SEATS.112,835, WILLIAM T. NICHOLS
ROAD-SCRAPERS.112,836, H. C. NICHOLSON.
TELEGRAPH APPARATUS112,837 GEORGE S. NORRIS.
SWEEPING-MACHINES.112,838, JOHN L. OTIS.
MACHINES FOR GRINDING SAW-TEETH.112,839, ADOLPH OTT.
PREPARING TIN SALTS FROM
TINNERS' WASTE.112,840, CHARLES PABST.
SHUTTER-FASTENERS.112,841, HENRY M. PAINE.
ELECTRO-MAGNETIC MOTORS.112,842, G. G. PARKER.
WM. P. DODGE.
BIT AND DRILL-BRACES.

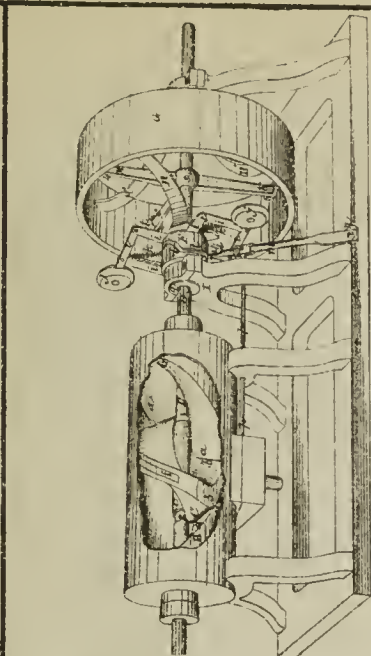
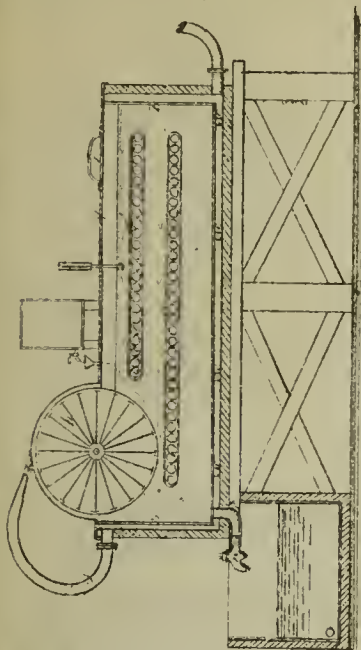
112,843, NOAH PARKER. GATES.



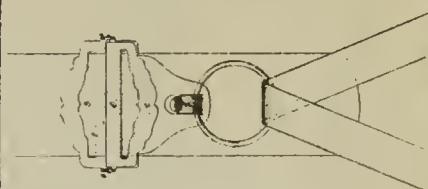
112,844, JAMES D. PELL. ANIMAL-TRAPS.

112,845, JOHN M. PETIT.
PREPARING SEED-CORN.112,846 EDWD. B. PHELPS. BROILERS.
JAMES P. McLEAN.112,847 TAPPING REEVES.
LUBRICATORS.112,848, E. A. L. ROBERTS.
MANUFACTURE OF NITRO-GLYCERINE.

112,849 E. A. L. ROBERTS.
MANUFACTURE OF NITRO-GLYCERINE.



112,857. A. SHENFIELD.
BUCKLES FOR SUSPENDERS.

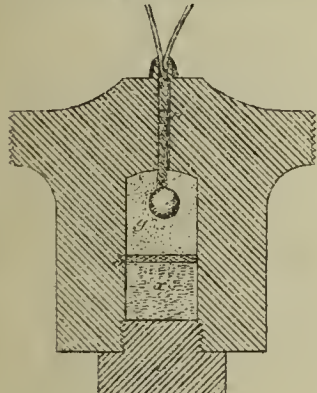


112,858. DANA SLADE.
COMPOUNDS FOR TREATING CATARRH.
&c., BY INHALATION.

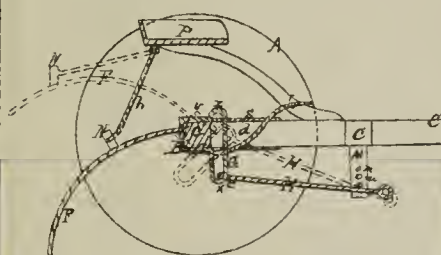
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ELECTRIC FUSES.



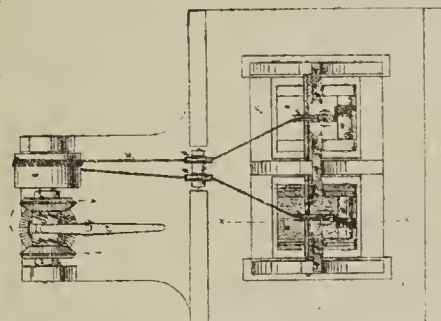
112,850 E. A. L. ROBERTS.
ELECTRIC AND OTHER FUSE-HEADS.



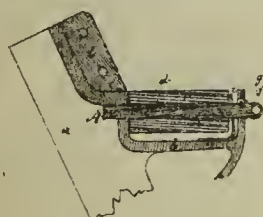
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HORSE HAY-RAKES.



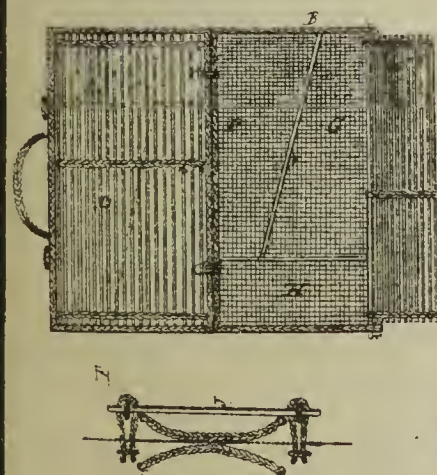
112,855. JOHN SCOTT.
HOISTING-MACHINES.



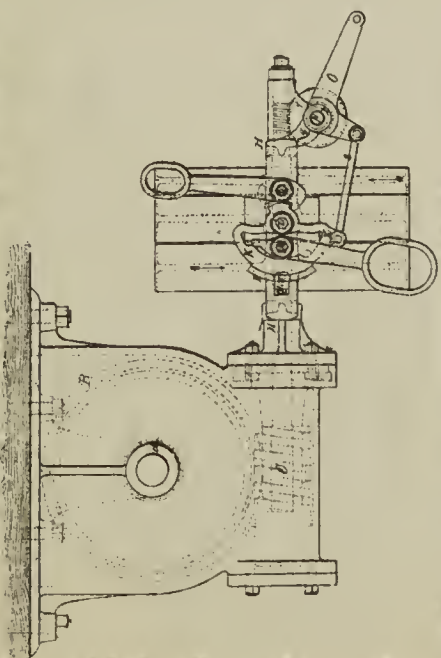
112,851. EDWD. P. ROCHE.
"CHAFE-IRONS" FOR WHEELED VEHICLE



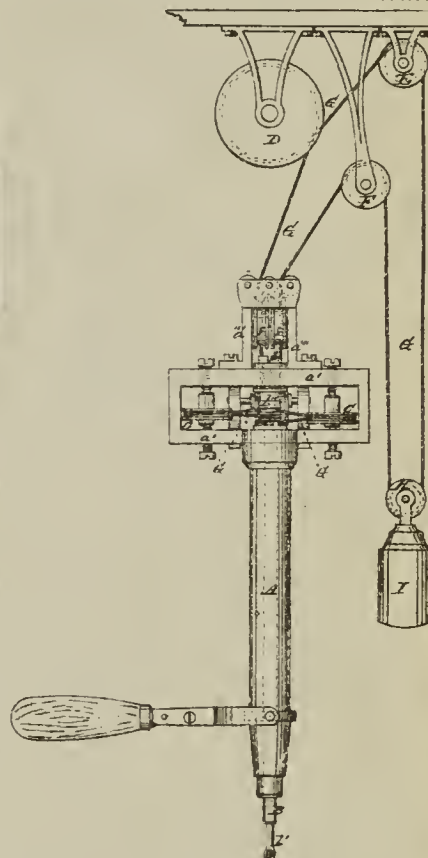
112,852. J. ROUSSILLON
WINE-BASKETS.



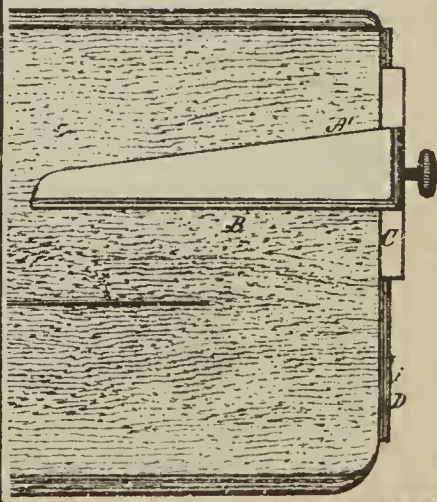
112,856. WM. SELLERS.
HOISTING-MACHINES.



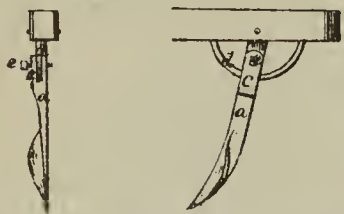
112,860. GEORGE B. SOLEY.
HAND-TOOLS FOR CARVING
AND ENGRAVING.



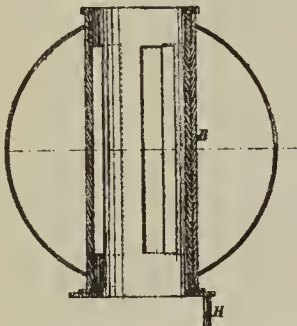
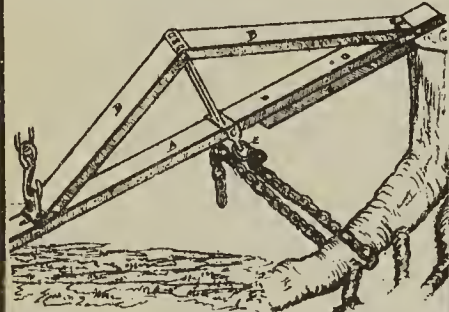
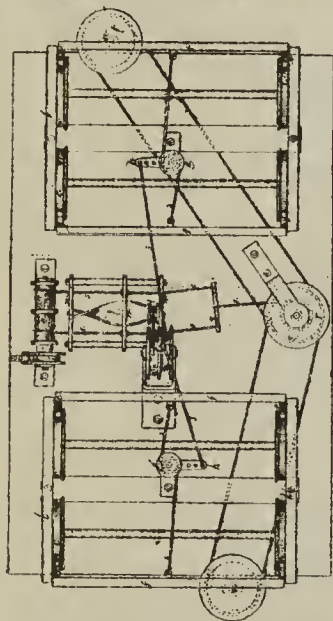
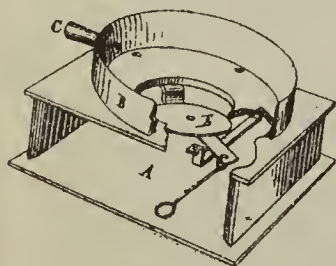
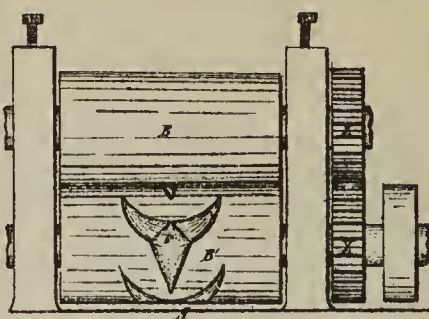
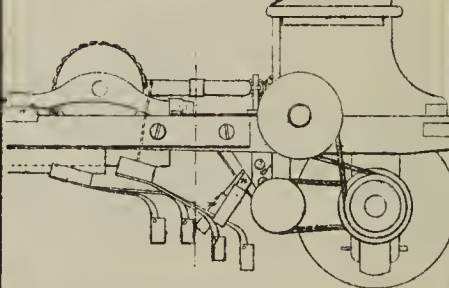
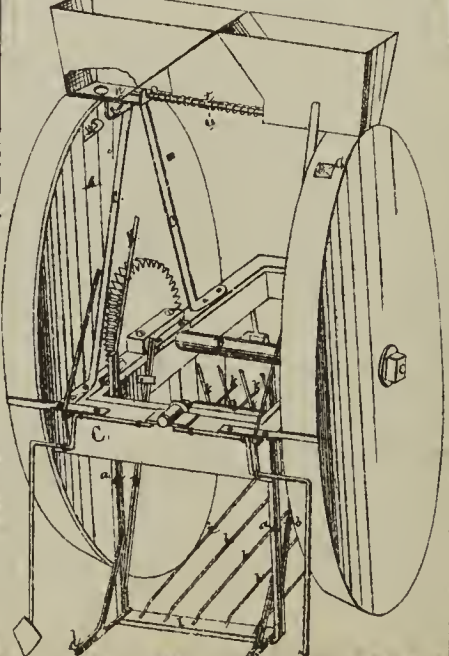
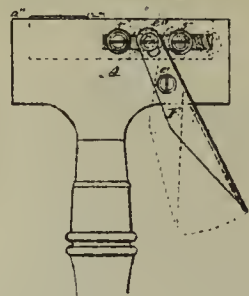
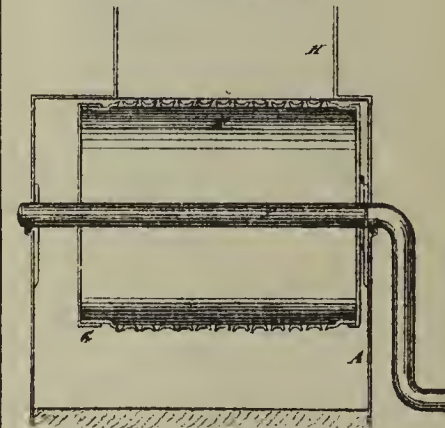
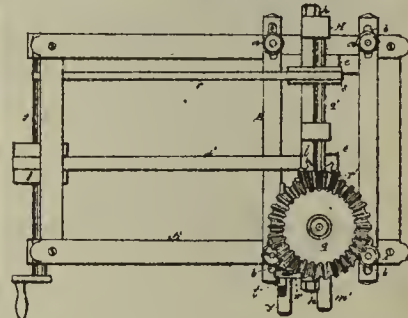
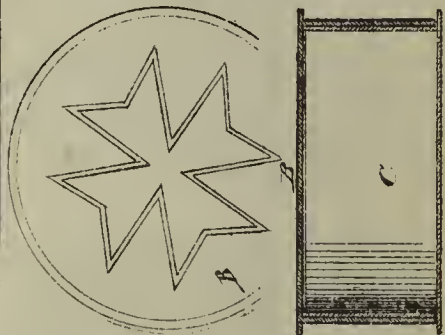
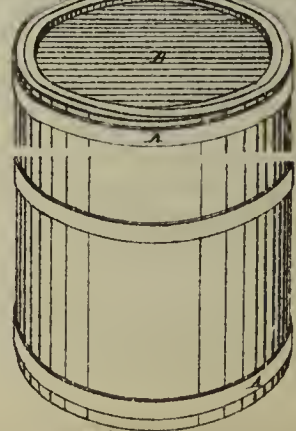
112,861. FRANKLIN L. SPRAGUE.
GAUGES FOR SAW-TABLES.



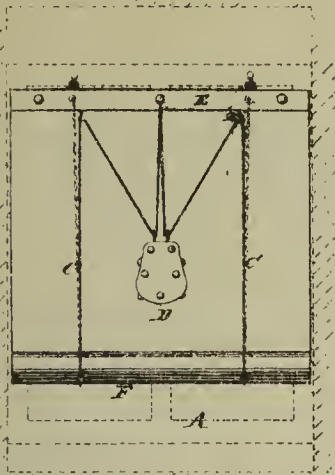
112,853 STEPHEN P. RUGGLES.
STEAM-ENGINES.

112,862, WM. D. STROUD.
CULTIVATORS.

112,863, LEONARD S. TAYLOR. DAMPERS.

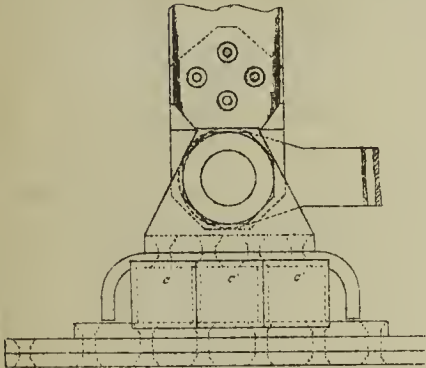
112,864, ALBERT D. TILYU.
STUMP-EXTRACTORS.112,865, L. W. TRACY.
BRAKES FOR RAILWAY-CARS.112,866, EBEN TRASY.
TUYERES.112,867, J. T. TYLER.
ROLLS FOR THE MANUFACTURE
OF PLANTERS' HOES.112,868, M. VAN VLECK.
MACHINES FOR COILING BED-SPRINGS.112,869, JOSEPH VESSOT, SEN'R.
SAMUEL VESSOT, JR.
COMBINED HARROWS, SEEDERS,
AND ROLLERS.112,870, JAMES CARROLL WALKER.
COMBINED POTATO-PLANTERS
AND DIGGERS.112,871, JOHN WALTERS.
HAND-STAMPS.112,872, JACOB WEHRLE.
W. WITTLINGER.
VEGETABLE-GRATERS.112,873, HEBRON MAYHEW WENTWORTH
MACHINES FOR GRINDING
CARRIAGE-SPRINGS.112,874, SETH WHEELER.
EDGAR JEROME.
FINISHING PAPER BOXES.112,875, HENDERSON WILLARD.
BARRELS.

112,876. THOS. C. WILLIAMS.
WINDOW-CURTAIN FIXTURES.



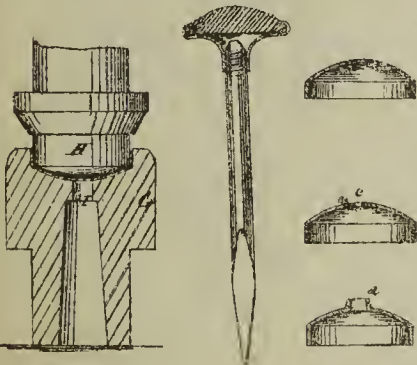
112,877. THOMAS ATWOOD WILLSON.
GLASS FOR THE MANUFACTURE
OF SPECTACLES.

112,878. JOS. M. WILSON.
BOLSTER-BLOCKS AND PIER OR
ABUTMENT-PLATES FOR BRIDGES AND
ROOF-TRUSSES.

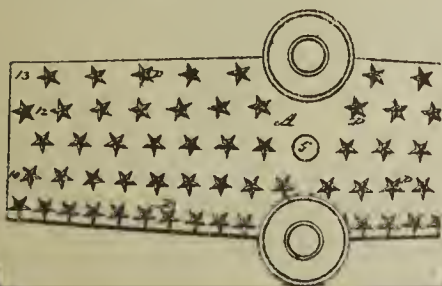


112,879. JOHN WINGER.
COMPOSITIONS FOR STAINING WOOD.

112,880. LEOPOLD WOLF.
MECHANISMS FOR MANUFACTURING
HEADS FOR PICTURE-NAILS.

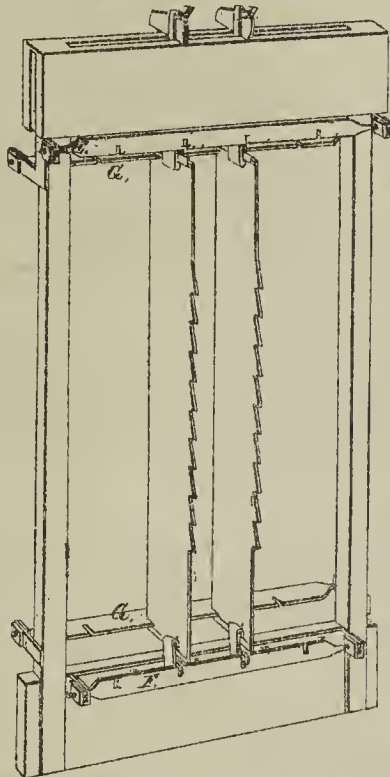


112,881. CHAS. J. WOOD.
STEAM-HEATERS.

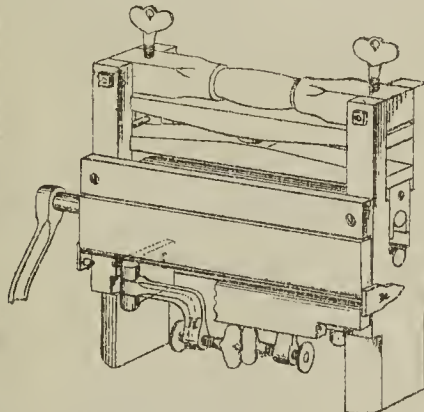


112,882. FREDERIC B. ZAY.
RUFFLING ATTACHMENTS FOR
SEWING-MACHINES.

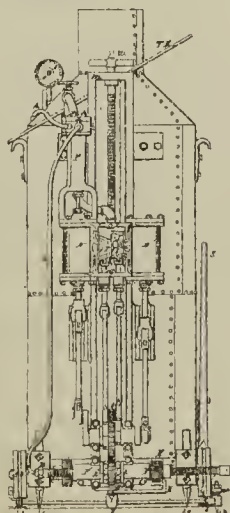
112,883. EMANUEL ANDREWS.
SAW-MILLS.



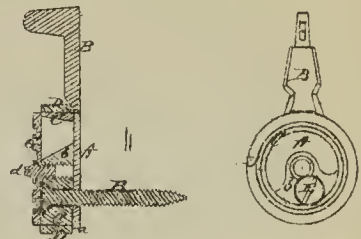
112,884. ALFRED M. BAILEY.
CLOTHES-WRINGERS.



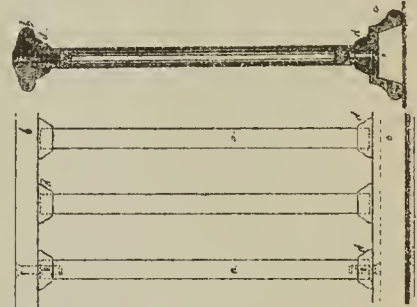
112,885. ALBERT BALL. ROCK-DRILLS.



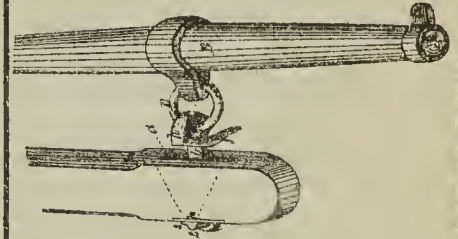
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SASH-HOLDERS.



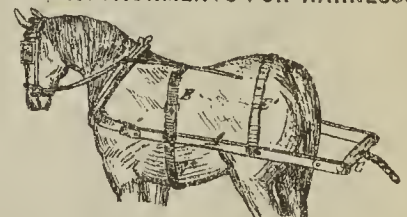
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IRON RAILINGS.



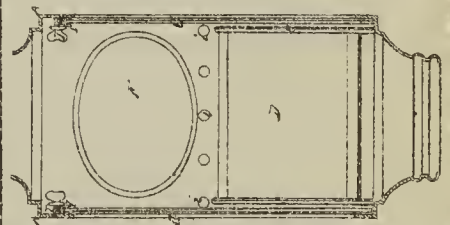
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CLEVIS-HOOKS FOR DOUBLE-TREES.



112,889. W. A. BLUNDELL.
ATTACHMENTS FOR HARNESS.

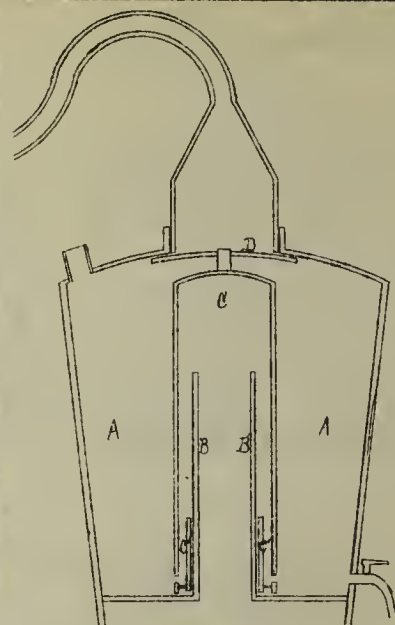
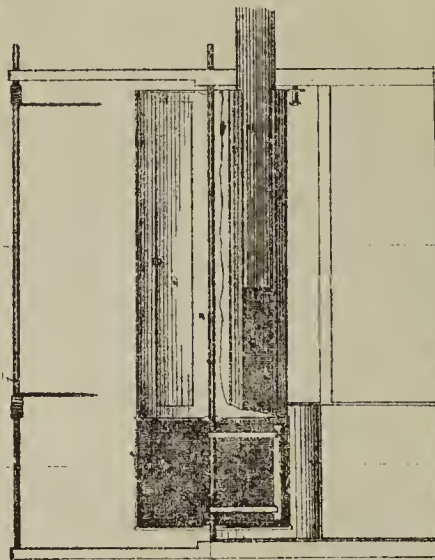
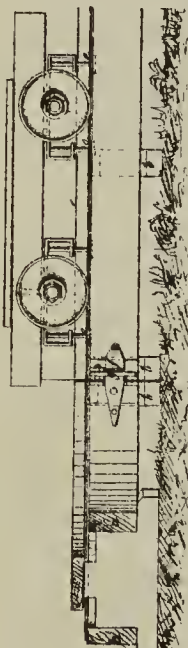
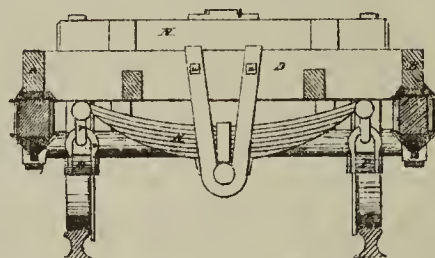
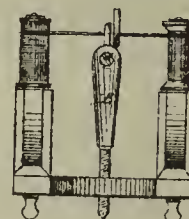
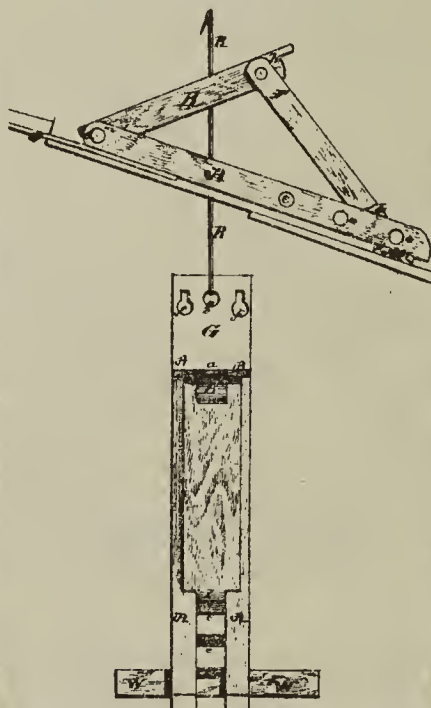
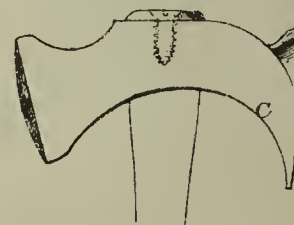
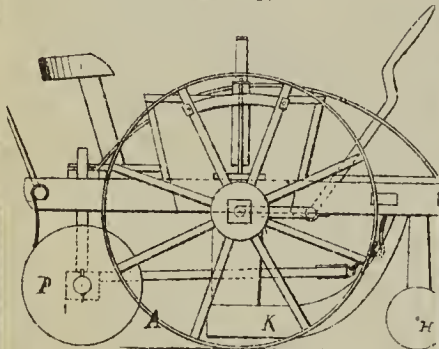
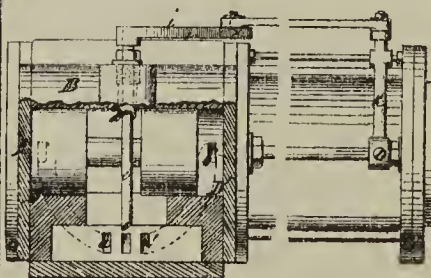
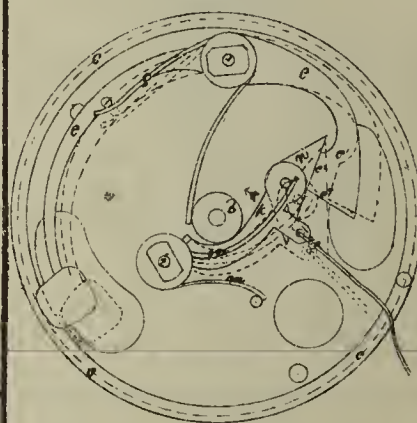
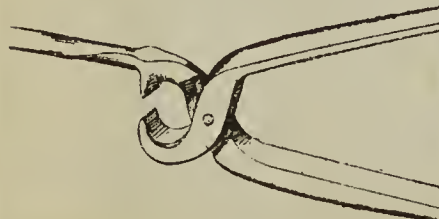
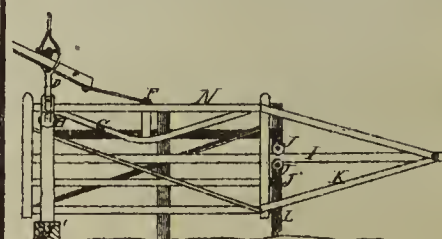


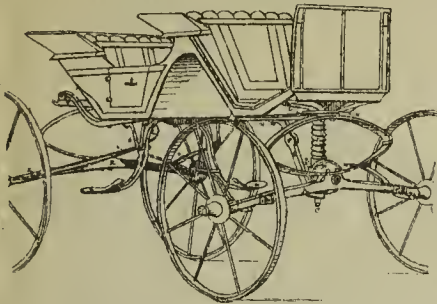
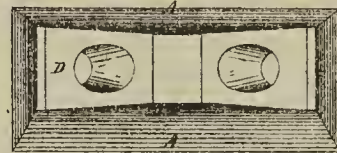
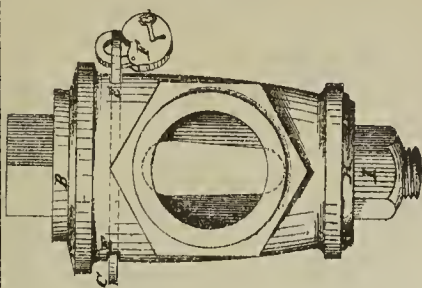
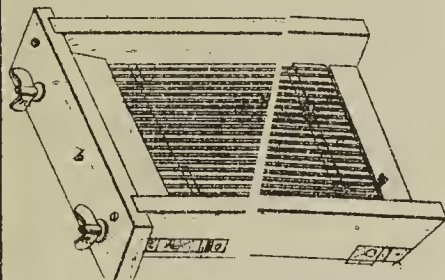
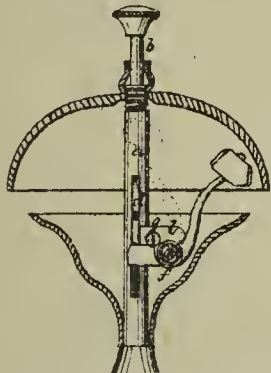
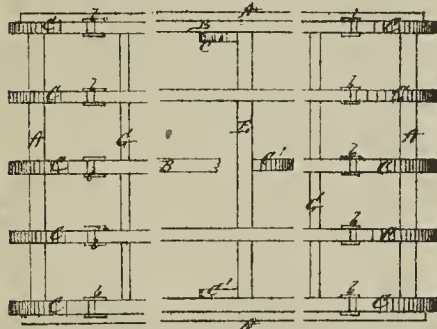
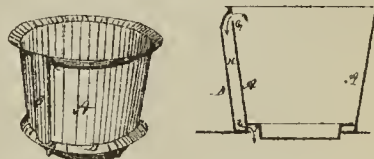
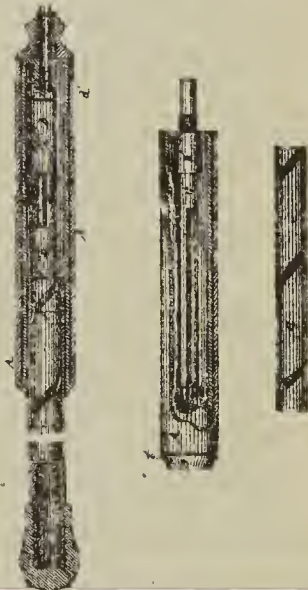
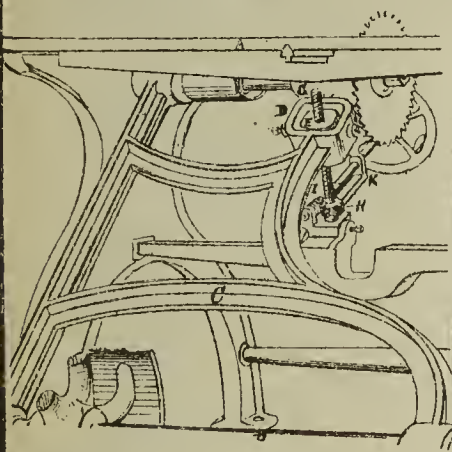
112,890. EMIL BOESCH.
ADVERTISING-LAMPS.



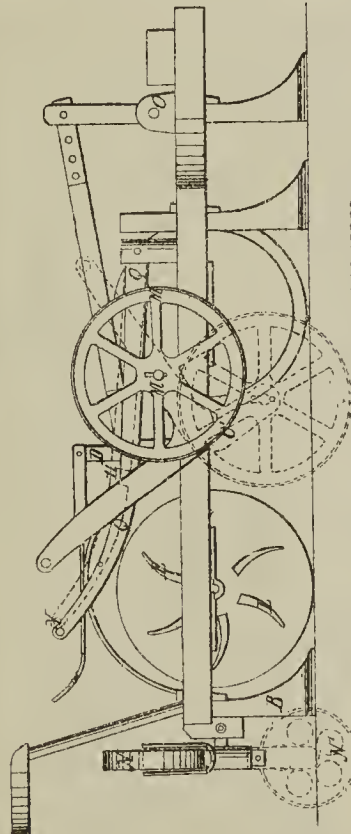
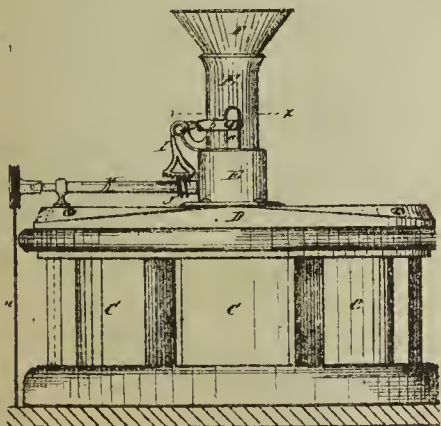
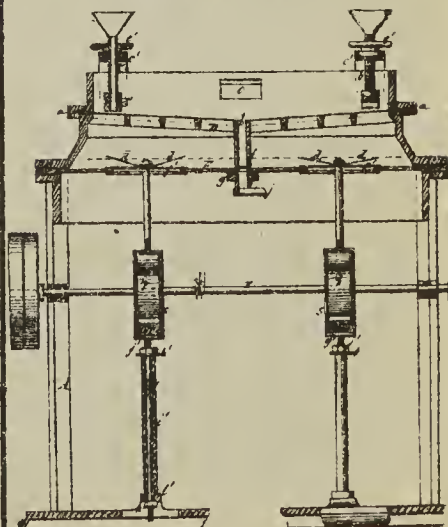
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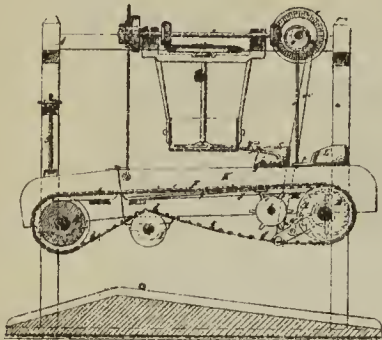


112,892. AARON BOLANDER.
MOWING-MACHINES.112,896. JOHN P. BROADMEADOW.
APPARATUS FOR TEMPERING SAND.112,893. T. BOOTSMANN.
PORTABLE RAILWAYS.112,897. CHAUNCEY S. BUCK.
RAILWAY-CAR TRUCKS.112,901. DWIGHT MADISON CHURCH.
THREAD-GUIDES FOR
WINDING-MACHINES112,898. JONATHAN W. CADWELL.
ROOFING-BRACKETS.112,902. ARTHUR CLARKE.
SHOEMAKERS' HAMMERS.112,894. R. A. BOULWARE.
CORN-PLANTERS.112,899. A. S. CAMERON.
VALVE-GEARS FOR STEAM-ENGINES112,903. JOHN P. CONNELL
DOOR-BELLS.112,895. MICHAEL C. BOYER.
DEVICES FOR OPENING OYSTERS.112,900. JAMES A. CAMPBELL.
STILLS.112,904. PETER S. CRAWFORD.
GATES.

112,905. CORNELIUS OUSTER.
CARRIAGE-GEARINGS.112,910. HENRY ESSEX.
LOCKED COCKS.112,906. WALTER D. DAVIS.
CHAS. W. BLAKESLEE.
JOSEPH C. PECK.
HARNESS-ROSETTES.112,911. GEORGE W. FAIR.
SAND-SCREENS.112,915. ANSEL HECHT.
CENTER-POINT TRIMMINGS.112,907. HENRY A. DIERKES.
JOHN FRETTS.
CALL-BELLS.112,912. MATTHEW FALON.
BED-BOTTOMS.112,916. LEVI HERMANOE.
CULINARY VESSELS.112,917. WILLIAM S. HICKS.
PENCIL-CASES.112,908. BENN F. DUNKLEE.
CIRCULAR-SAW BENCHES.

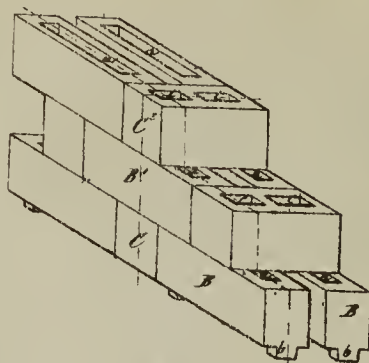
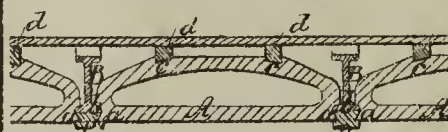
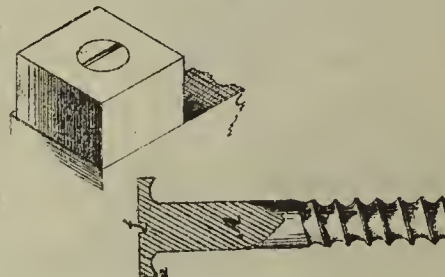
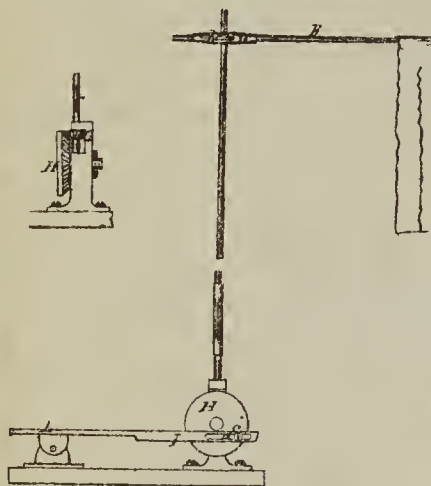
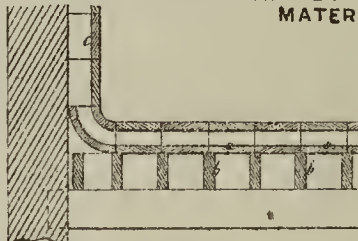
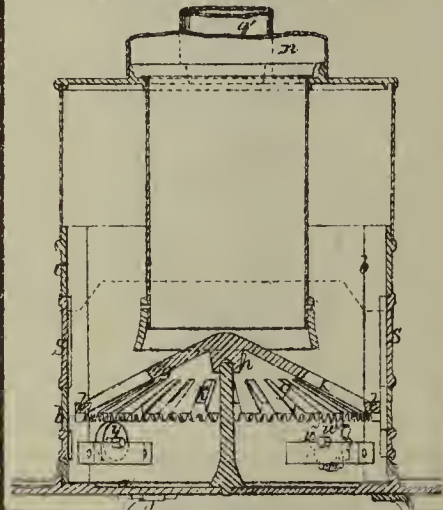
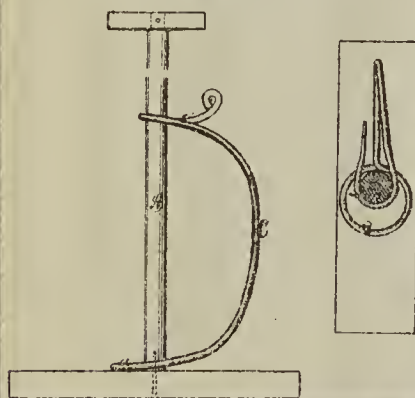
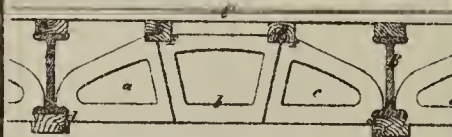
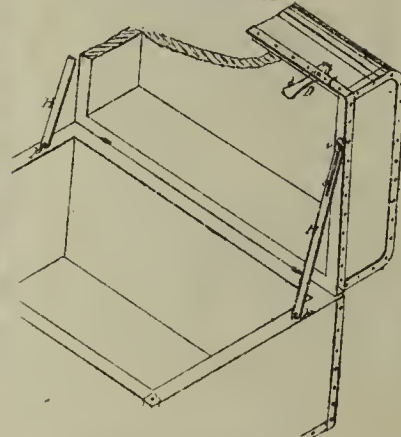
112,913. LAWRENCE F. FRAZEE. PLOWS.

112,909 WM. T. DUVALL.
ADJUSTABLE MILL-FEEDS.112,918. WILLIAM HOOPER.
ORE-SEPARATORS.112,914. JOHN FRY.
TUVERES FOR BLAST-FURNACES.

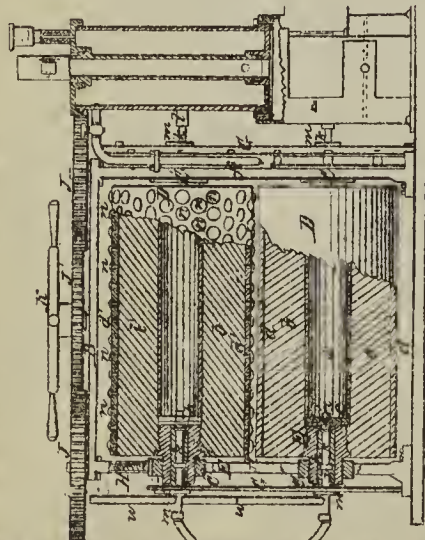
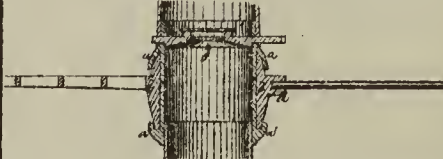
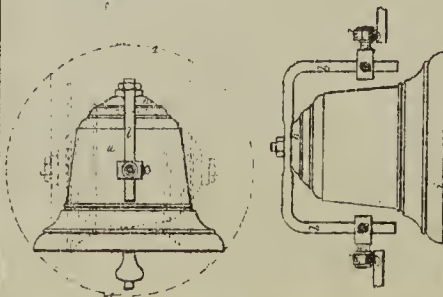
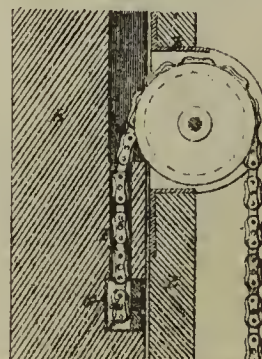
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ORE-SEPARATORS.

112,925.

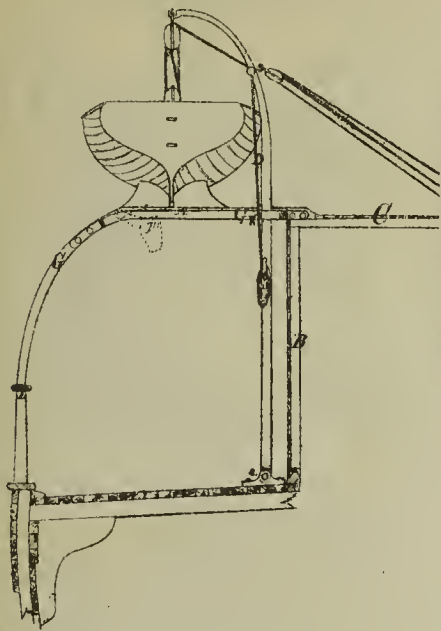
HOLLOW-TILE WALLS.

112,933, W. A. LEGGO.
LEGGOTYPING.112,920, MARTHA HUDDLESTON.
MEDICAL COMPOUNDS, OR SALVES.112,926, GEO. H. JOHNSON,
BALTHASAR KREISCHER.
HOLLOW-TILE FLOORS.112,935, ANDREW B. LIPSEY.
WOOD-SCREWS.112,921, FRANK M. HUNT.
FANS AND FLY-DRIVERS.112,927, GEO. H. JOHNSON,
BALTHASAR KREISCHER.
RESERVOIRS FOR GRAIN AND OTHER
MATERIALS.112,936, LYMAN LITCHFIELD.
BASE-BURNING STOVES.112,922, SETH T. HUTCHINS.
CATTLE-TIES.112,928, CHARLES P. KENYON.
FIRE-ESCAPES.112,929, BALTHASAR KREISCHER.
COMPOSITION-TILES FOR
FIRE-PROOFING BUILDINGS.112,930, BALTHASAR KREISCHER.
HOLLOW-TILES.112,937, J. O. LOCKE.
TRAVELING-TRUNKS.

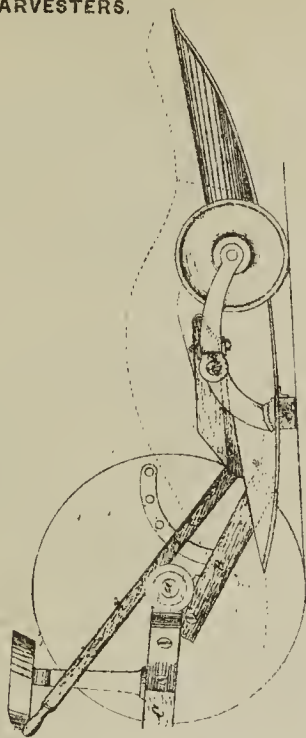
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112,931, ASA JOHNSON.
ROLLING-MILLS.112,931, GEORGE W. LANGDON.
STOVE-PIPE SHELVES AND
CLOTHES-DRIERS.112,932, A. LAROÏE.
BELL-HANGING.112,938, MICHAEL MAGRATH.
CHAINS FOR HANGING SASH.

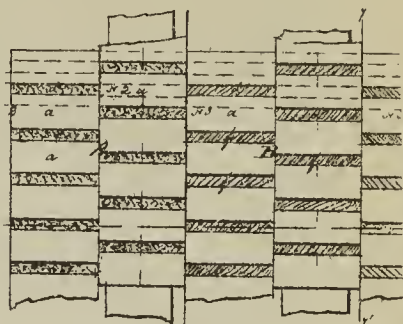
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BOAT-LOWERING APPARATUS.



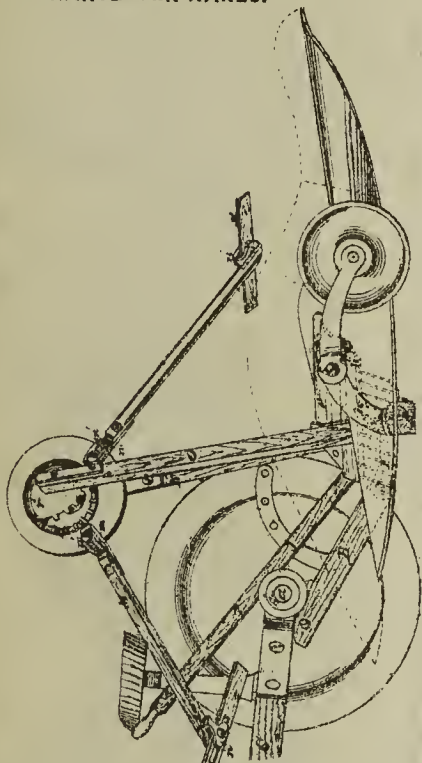
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HARVESTERS.



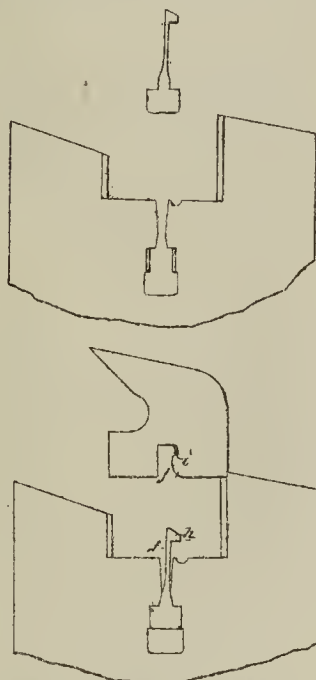
112,945, GORDON A. MAY.
WOOD PAVEMENTS.



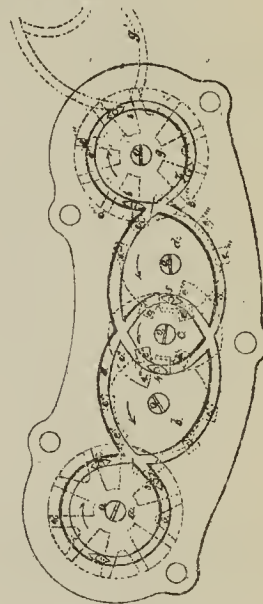
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HARVESTER-RAKES.



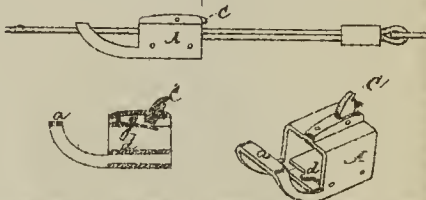
112,943, THOMAS P. MARSHALL.
SAWS WITH DETACHABLE TEETH.



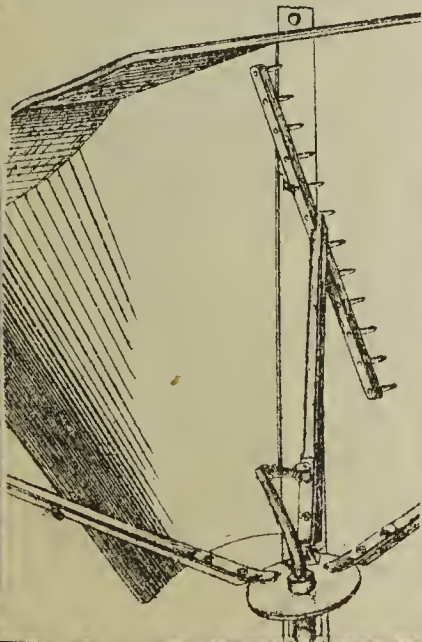
112,946, JOHN McCAHEY.
STEPHEN B. SALISBURY.
BRAIDING-MACHINES.



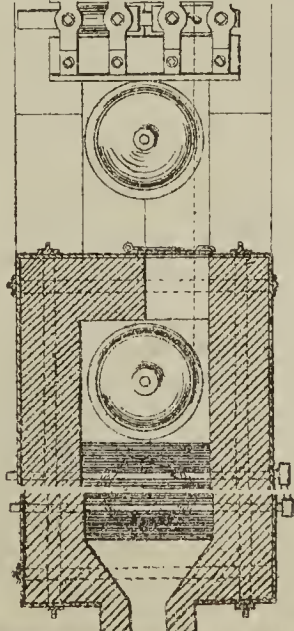
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ABRAM ROWAN.
BUCKLES.



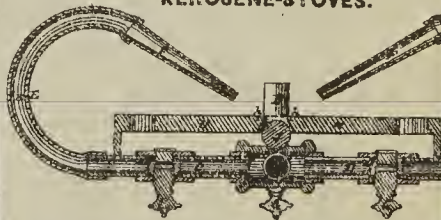
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HARVESTER-RAKES.



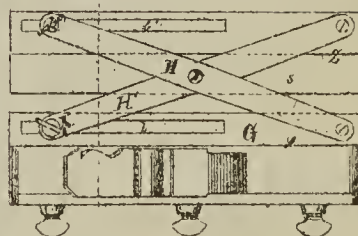
112,944, BENJ. A. MASON.
APPARATUS FOR MANUFACTURING
WIRE.



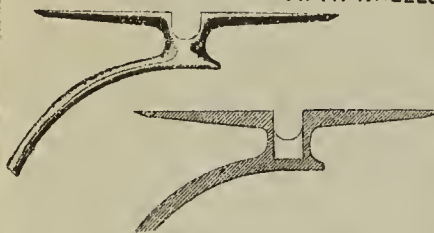
112,948, ROBERT B. MITCHELL.
STEAMING ATTACHMENTS FOR
KEROSENE-STOVES.



112,949, ELLIS H. MORRIS.
MOLDING-PLANES.



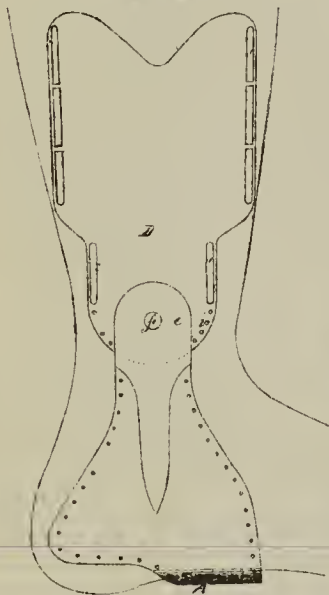
112,950, F. B. MORSE.
KEEPS AND BRACES FOR
FIFTH-WHEELS.



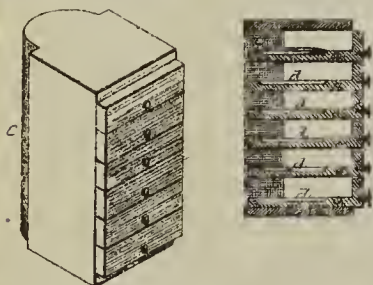
112,951, E. P. NEEDHAM.
PENCIL-SHARPENERS.



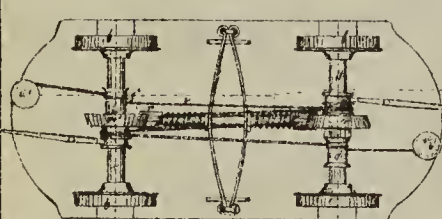
112,952, J. S. NISWANDER.
ANKLE-BRACES.



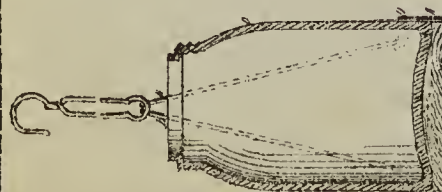
112,953 H. H. OLDS. PIE-CASES.



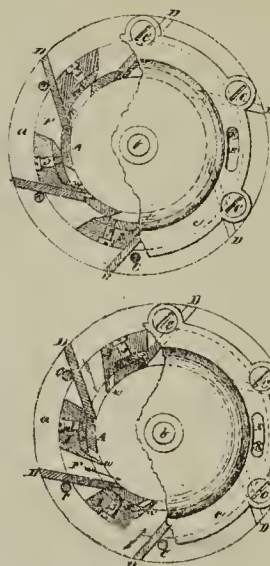
112,954, JOSEPH PARADIS.
CAR-BRAKES AND STARTERS.



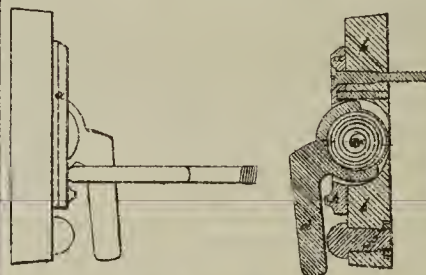
112,955, STEPHEN R. PINCKNEY.
LIFTERS FOR FRUIT-JARS.



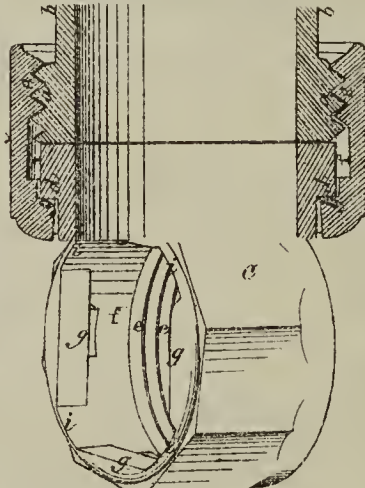
112,956, SAMUEL A. PRESCOTT.
GATES FOR TURBINE WATER-WHEELS.



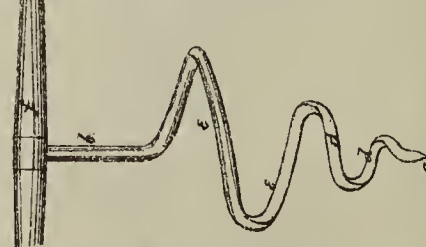
112,957, P. PRUD'HOMME
APPARATUS FOR ESTABLISHING
ELECTRICAL COMMUNICATION IN
RAILROAD-TRAINS.



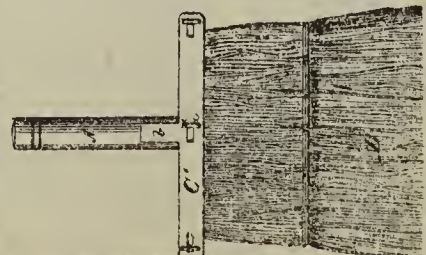
112,958, JOSEPH B. RAMP.
PIPE-COUPPLINGS.



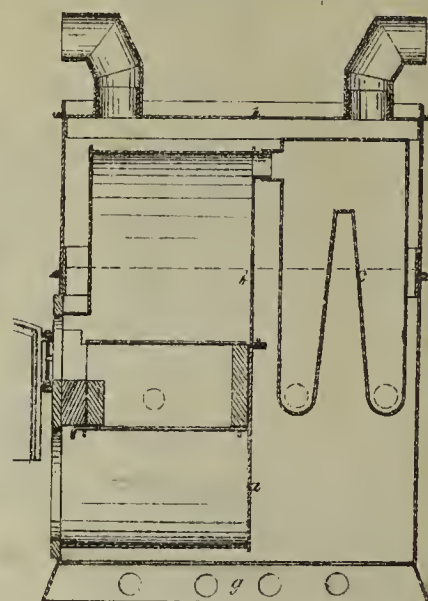
112,959, ENNIS A. RAYMOND
PRESSED-FRUIT LIFTERS.



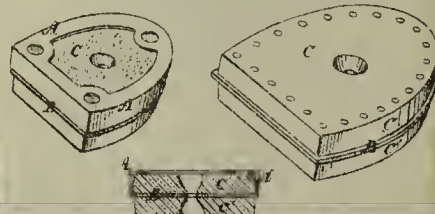
112,960, CHARLES L. REID. BROOMS.



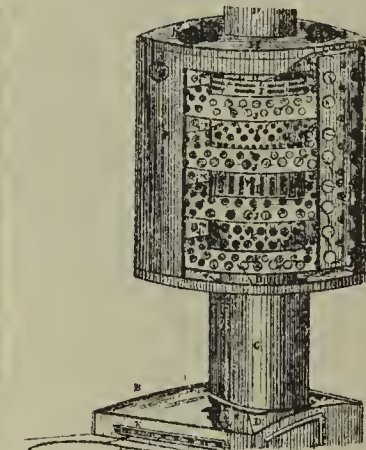
112,961, JESSE REYNOLDS.
PORTABLE FURNACES.



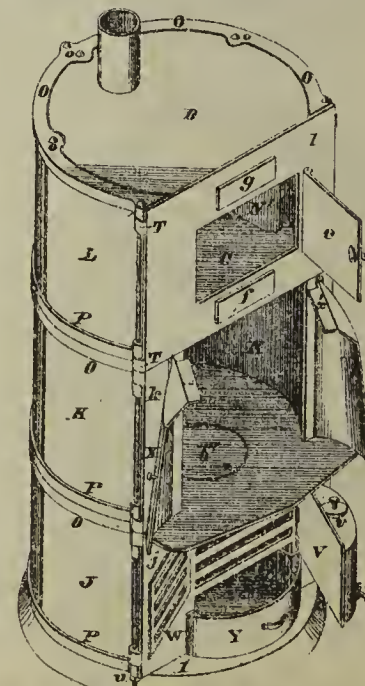
112,962, FREDK. RICHARDSON
FRANCIS HAUKER.
REVERSIBLE BOOT-HEELS.



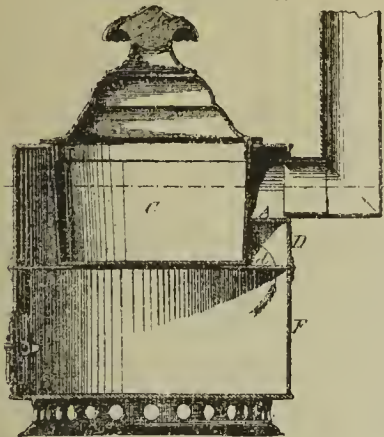
112,963 SEELYE RICHMOND.
FRUIT-DRIERS AND FOOD-WARMERS.



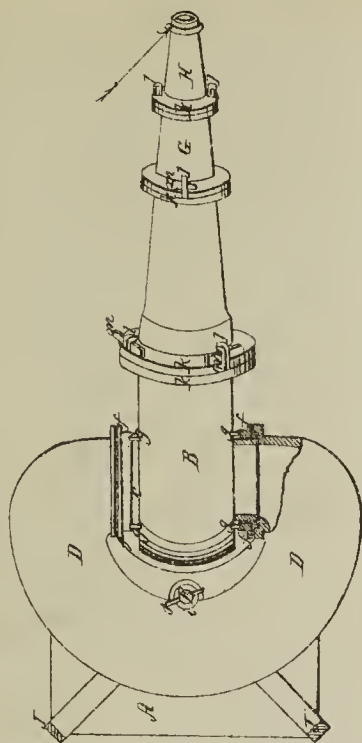
112,964, EDWARD Y. ROBBINS STOVES.



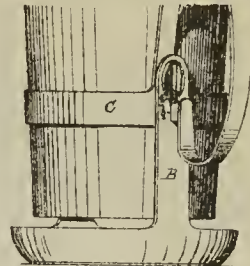
112,965, WILLIAM D. ROBERTSON.
PORTABLE FURNACES.



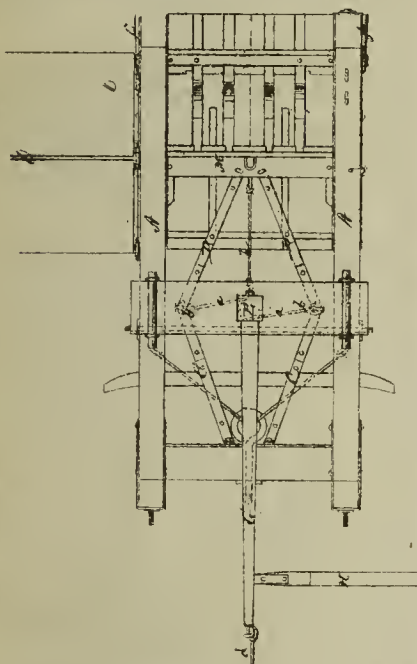
112,969, HENRY SHAW.
HYDRAULIC-NOZZLES.



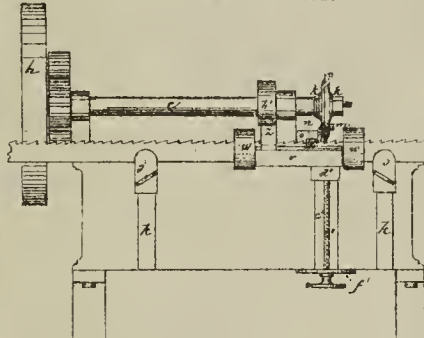
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HOLDERS FOR DRINKING-GLASSES.



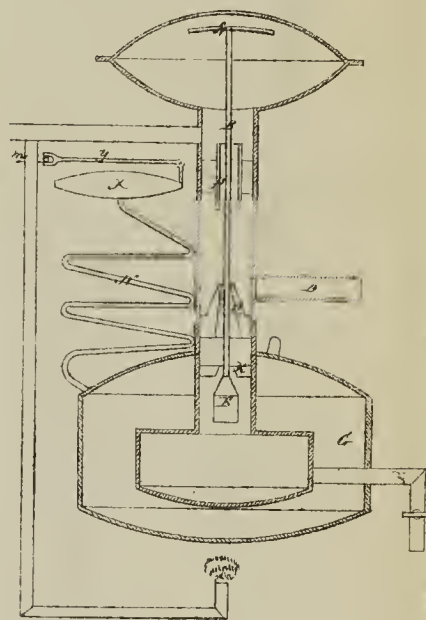
112,966, C. A. ROBINSON.
HAY AND COTTON-PRESSES.



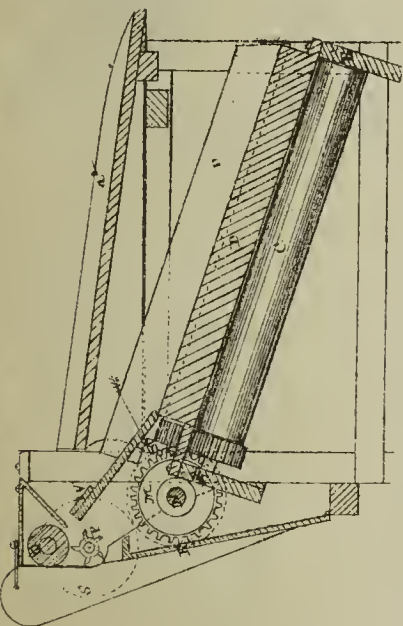
112,970, THOMAS L. SHAW.
SAW-SETS AND FILERS.



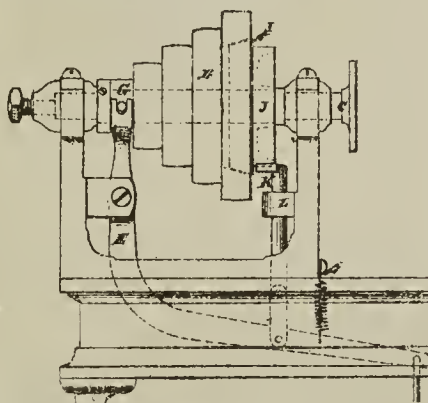
112,975, THEODORE G. SPRINGER.
GAS-MACHINES.



112,967, JACOB RUSSELL.
MACHINES FOR HUSKING CORN.



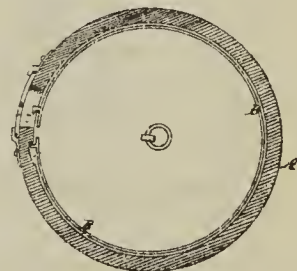
112,971, SAMUEL D. SHELDON.
TURNING-LATHES.



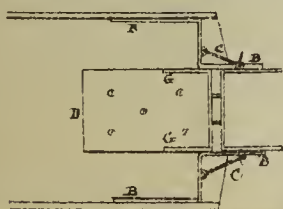
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WHISK-BROOMS.



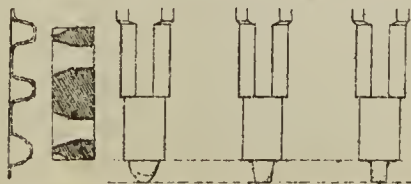
112,977, WILLIAM STERNBERG.
CHEESE-HOOPS.



112,968, JOHN FREDERICK SENER.
END-GATES FOR WAGONS.

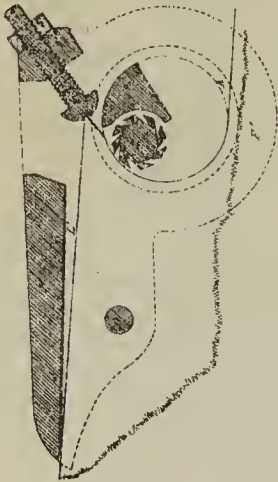


112,973, STEPHEN N. SMITH.
MANUFACTURE OF EYELET-STOCKS.

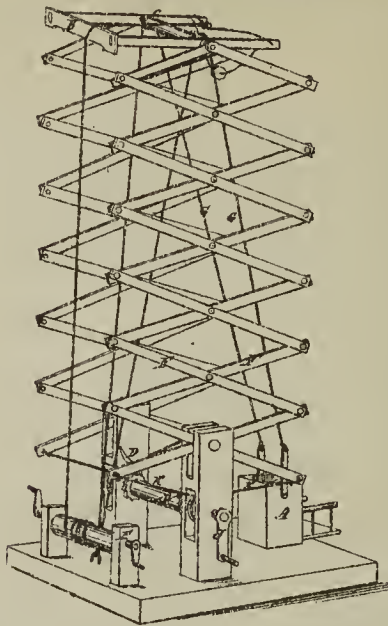
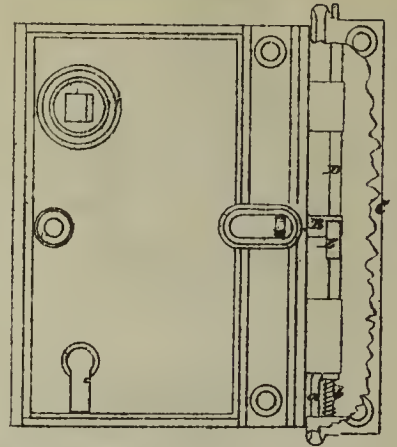
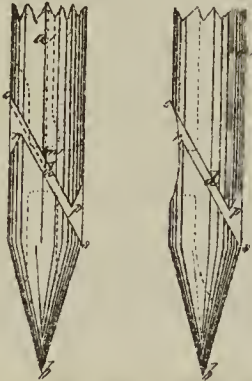
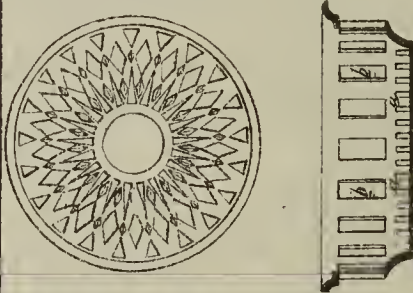
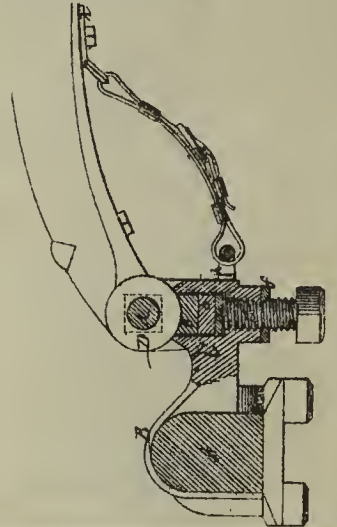
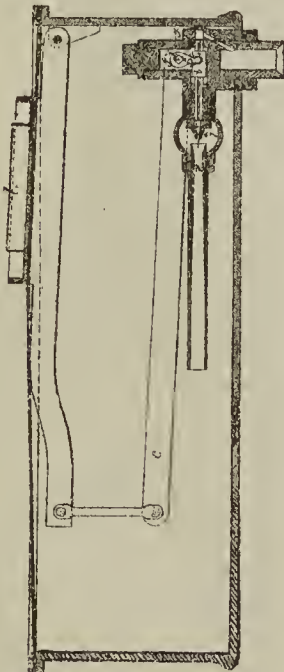
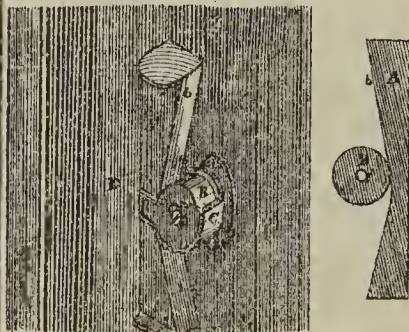
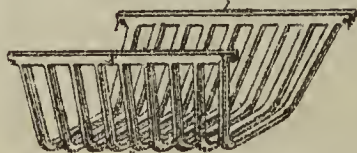
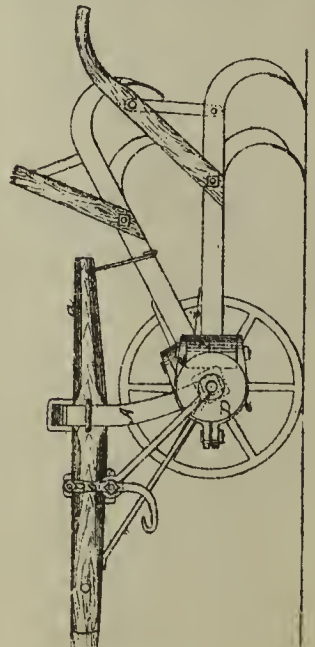


112,978, ROSWELL H. ST. JOHN.
HINGES FOR SEWING-MACHINES.

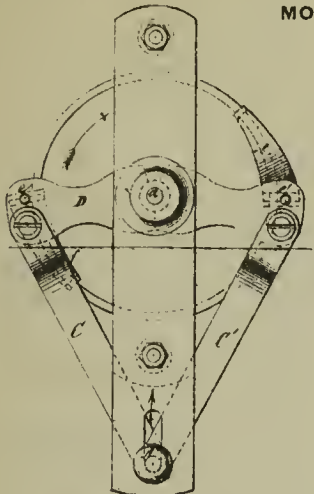


112,979, NATHANIEL F. STONE.
SAW-GUMMERS.

112,982, T. L. SUMMERIL. FIRE-ESCAPES.

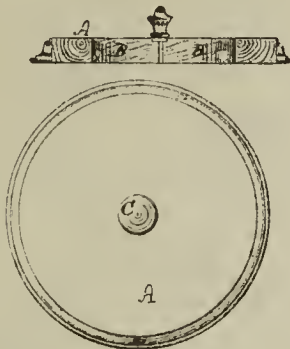
112,987, JAMES HARRY THORP.
ALARM-LOCKS.112,980, EDWIN STRAIN.
NEEDLES FOR SEWING-MACHINES.112,983, JOHN MERRITT THATCHER.
SOAP-DISHES.112,988, WM. H. TOWERS.
ELASTIC ROLLS.112,989, CHARLES TWOMBLY.
THILL-COUPPLINGS.112,981, MYRON H. STRONG.
W. I. REID.
HYDROCARBON-GAS APPARATUS.112,984, S. MILLETT THOMPSON.
BOOK-SUPPORTS.112,985, ALEXANDER THOMSON.
SASH-HOLDERS.112,986 J. W. THORNILEY.
FIRE-PLACE GRATES.112,990, JOHN VANLUVANEE.
HUGH SMITH.
WALKING-CULTIVATORS.

112,991, FRANZ WAGNER.
APPARATUS FOR CONVERTING
RECIPROCATING INTO ROTARY
MOTION.

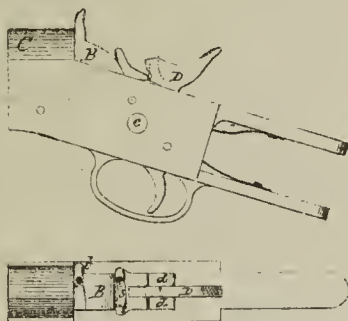


112,995, WOODWARD E. WERTENBAKER.
FUEL AND KINDLING-WOOD.

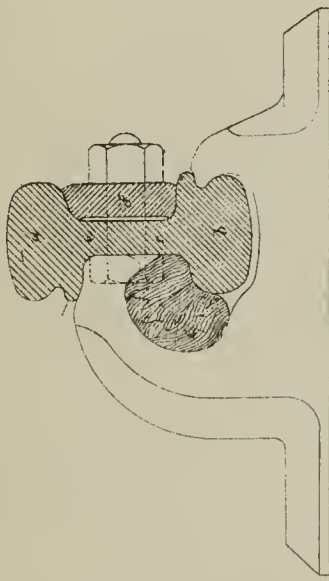
112,996, WILLIAM WESTLAKE.
ZINC-BOARDS FOR STOVES.



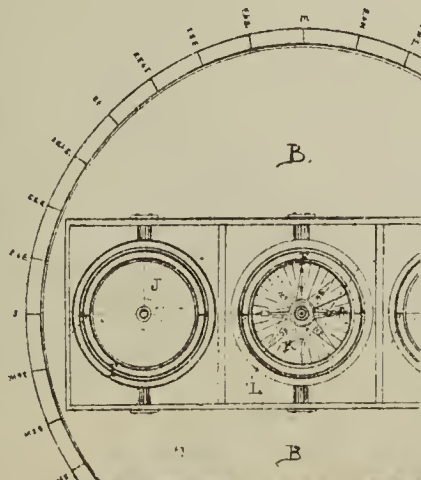
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BREECH-LOADING FIRE-ARMS.



112,998, WILLIAM EDWARD WINBY.
RAILWAY-RAILS AND CHAIRS.



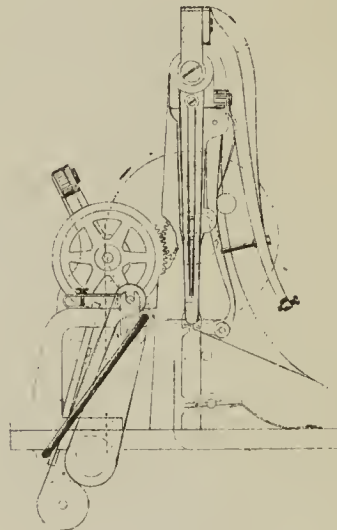
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SHIPS' COMPASSES.



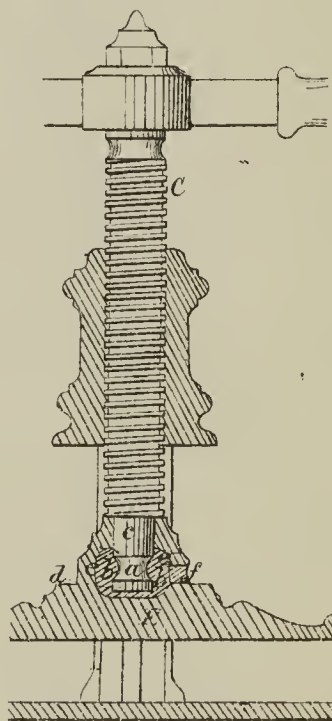
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TYING ROOMS AND BRUSHES.



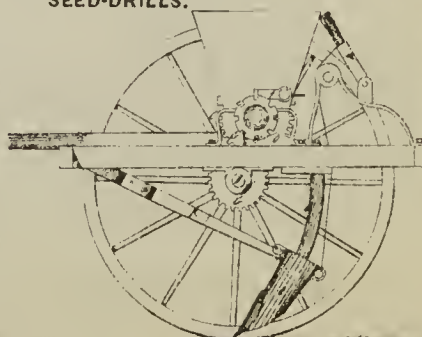
4,305, C. O. CROSBY.
SEWING-MACHINES.



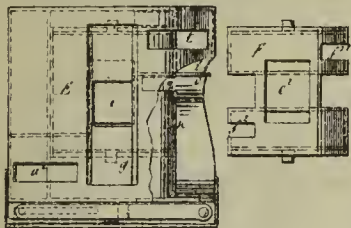
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COPYING-PRESSES.



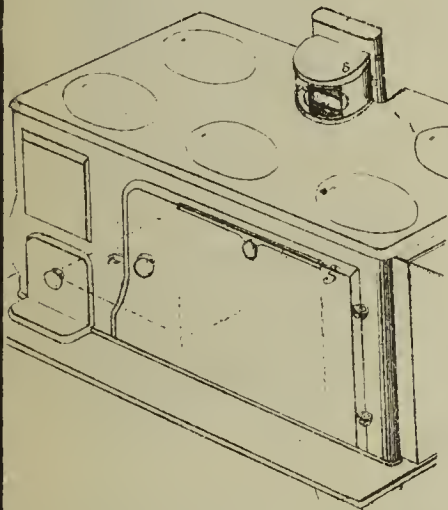
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SEED-DRILLS.



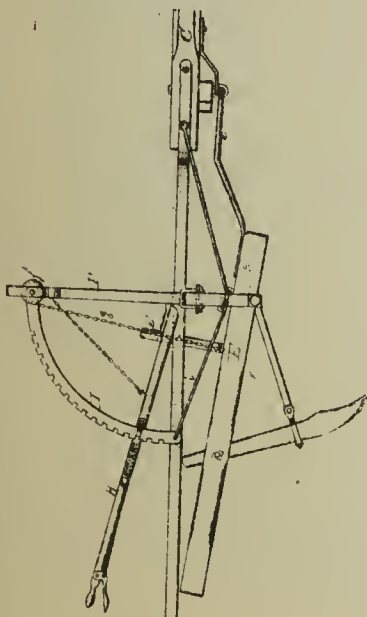
112,992, FRANZ WAGNER. METERS.



112,993, GEO. W. WALKER
COOKING-STOVES.



112,994, FRANCIS N. WELDEN.
CULTIVATORS.



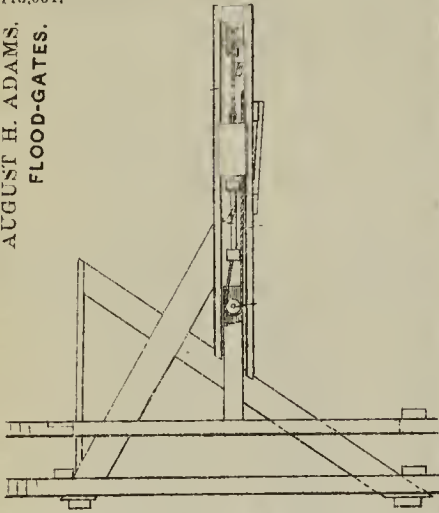
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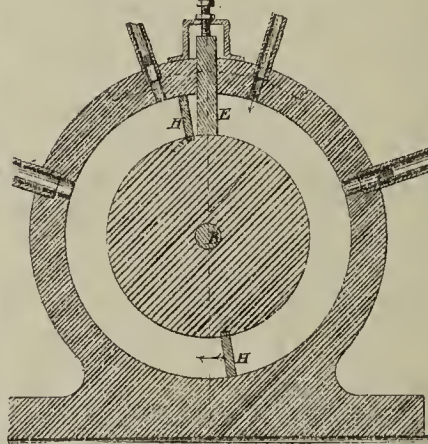
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113,001.

AUGUST H. ADAMS.
FLOOD-GATES.

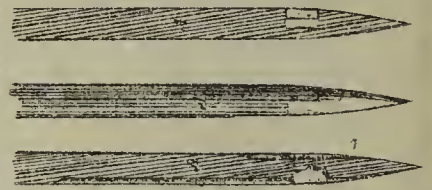
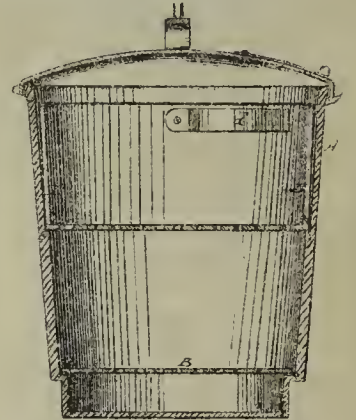
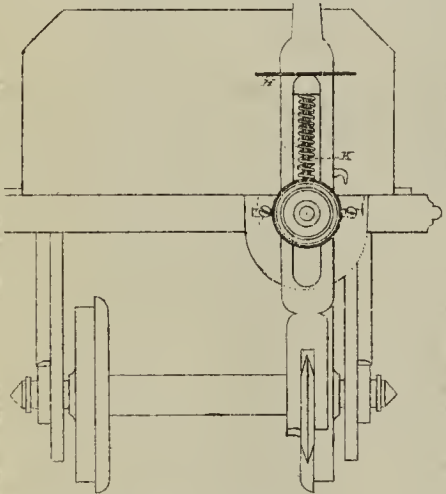
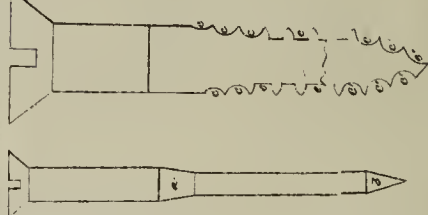
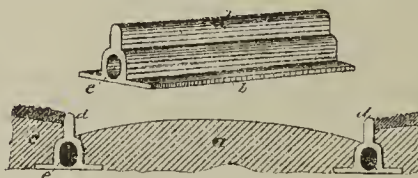
113,005, WM. BARRY.

ROTARY STEAM-ENGINES.

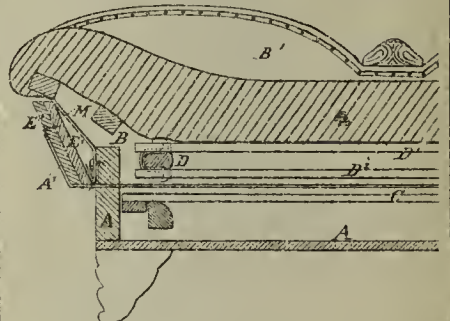
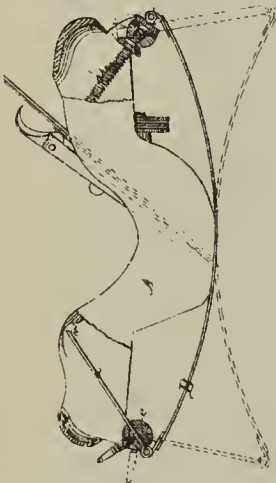
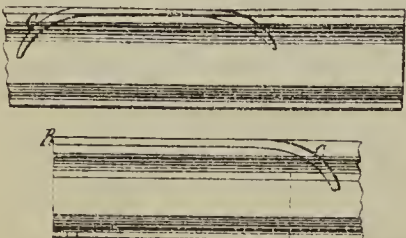
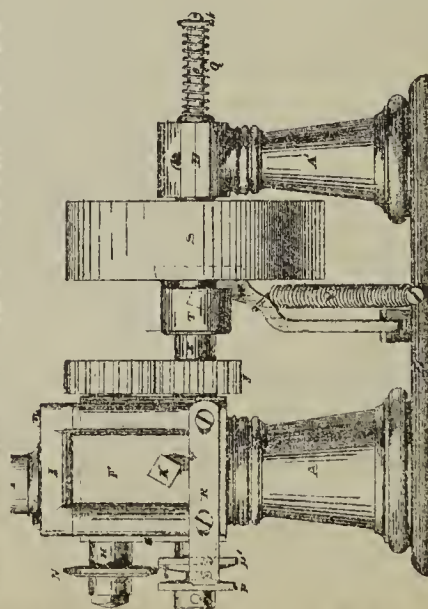


113,010. JOSEPH B. BLANCHARD.

NEEDLES FOR SEWING-MACHINES.

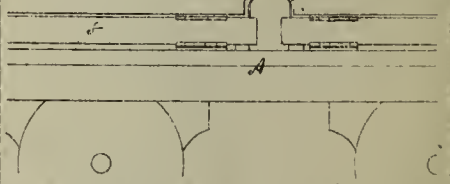
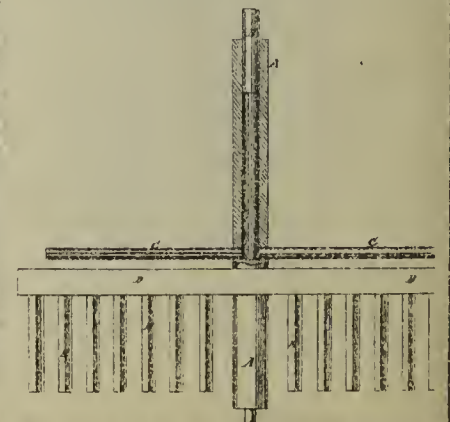
113,011. PETER ROESEN.
MICHAEL BEDESSEM.
CULINARY-BOILERS.113,002, JAMES ALCORN. APPARATUS
FOR OPERATING RAILWAY-SWITCHES.113,006. JASON A. BIDWELL.
WOOD SCREWS.113,007. CHARLES BIEHL. COMBINED
BORDERING AND DRAIN-TILES.

113,012. JOHN BRADA. LOUNGE-BEDS.

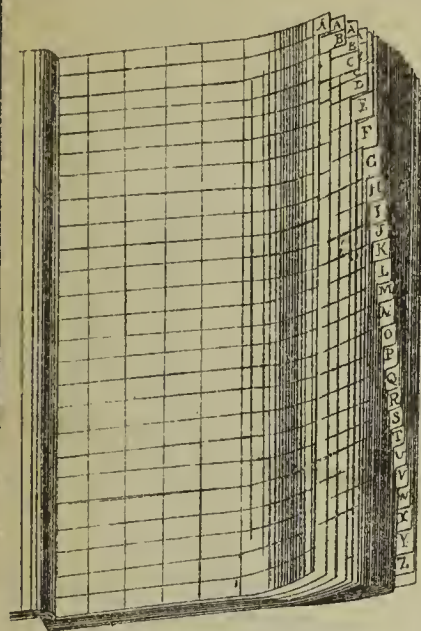
113,003. LEONARD BAILEY.
PLANE-STOCKS.113,004. JOHN T. BARNETT.
PATCHES FOR RAILROAD-RAILS.113,008. HORACE H. BIGELOW.
AWLS FOR HEEL-MACHINES.113,009. HORACE H. BIGELOW.
MACHINES FOR TURNING RANDS
FOR SHOES.

113,013. DANIEL J. BRIMMER.

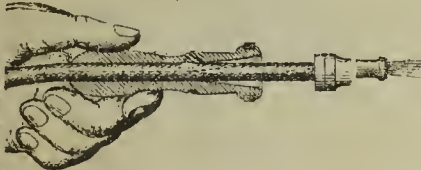
DUMPING-CARS.

113,014. LUDWIG BRUMLEN.
MANUFACTURE OF WHITE LEAD.

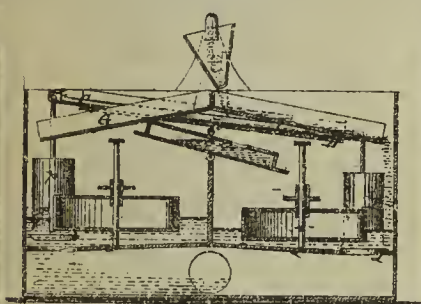
113,015, O. FLAGG BULLARD. INDEXES.



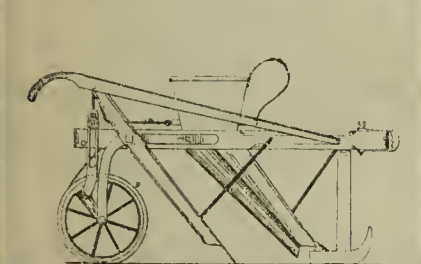
113,016, WILLIAM BUNCE. REGULATING CLASPS FOR ELASTIC TUBES.



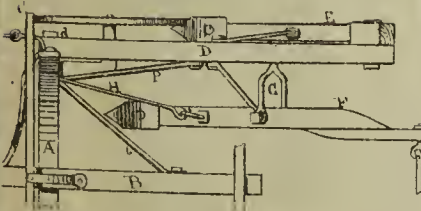
113,017, ANNA BÜTTNER. LIQUID-METERS.



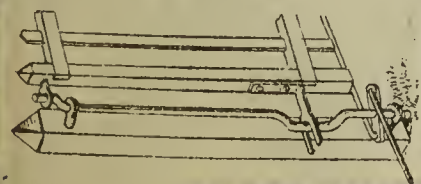
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113,019, LEE W. CONNER. RICHARD G. CONNER. CULTIVATORS.

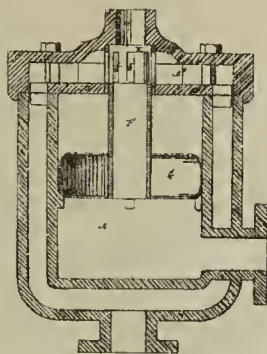


113,020, JAMES E. COTTOM. GATES.



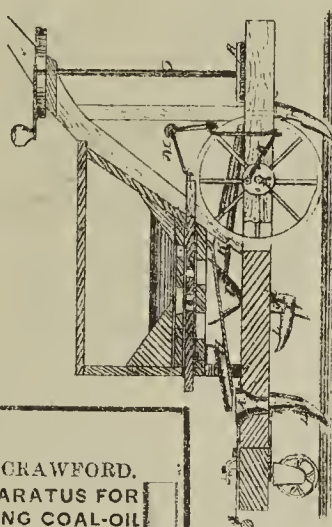
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CONDENSERS FOR STEAM-ENGINES.



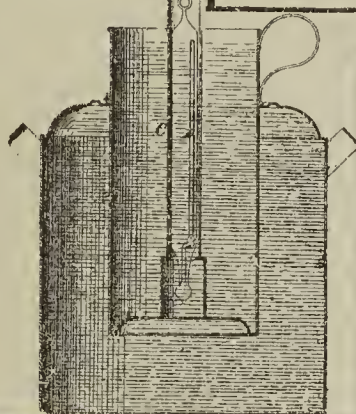
113,022,

JESSE W. CRAVEN. ALBERT CLARK. GRAIN-DRILLS.

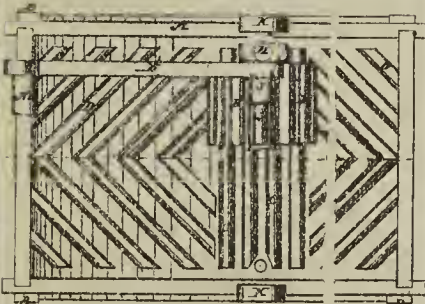


113,023.

BENJ. CRAWFORD. APPARATUS FOR PURIFYING COAL-OIL.



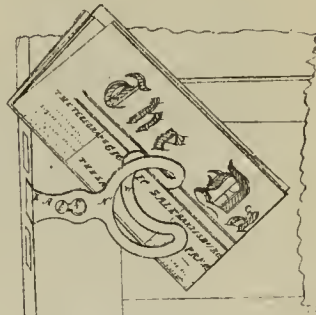
113,024, ELIAS CRICK. WASHING-MACHINES.



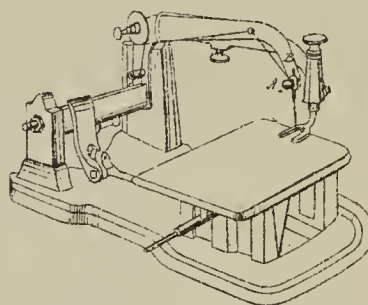
113,025, ALONZO G. CROSSMAN. STEERING APPARATUS.



113,026, JACOB M. CRULL. PAPER-CLIPS.

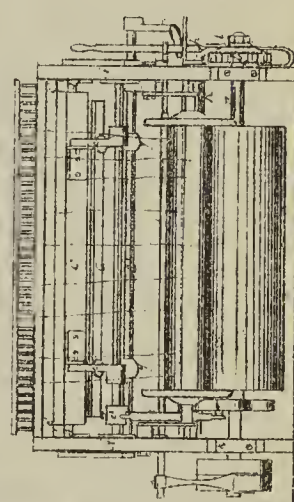


113,027, EDWIN L. CRUMB. NEEDLE-HOLDERS AND TENSION DEVICES FOR SEWING-MACHINES.

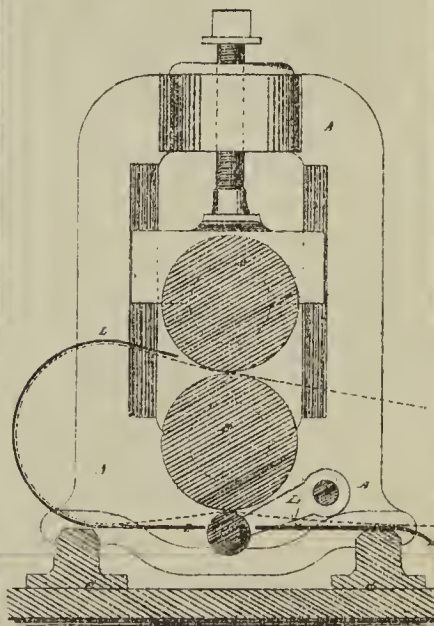


113,028.

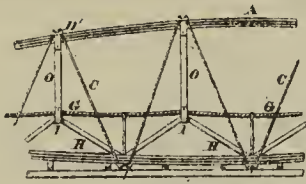
EDWIN H. CUMMINGS. GRIMSHAW HEYES. THOMAS ENTHWISTLE. STOP-MOTIONS FOR WARPING-MACHINE.



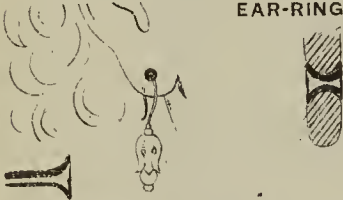
113,029, ORVILLE C. DEWEY. JOSEPH DUDLEY. FRIEDRICH LINDEMANN. NAIL-PLATE ROLLING.



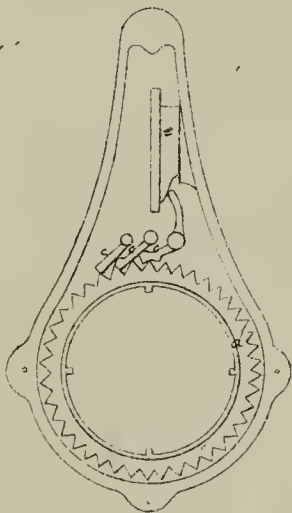
113,030, FERDINAND DIECKMANN. BRIDGES.



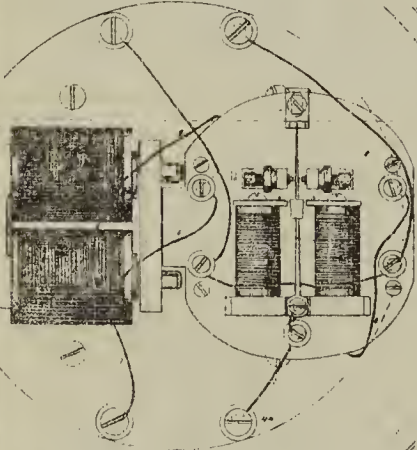
113.031. WILLIAM CHARLES EDGE.
DEVICES FOR PIERCING AND LINING
EARS FOR THE RECEPTION OF
EAR-RINGS.



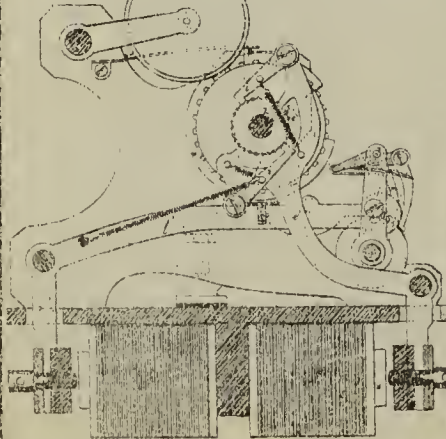
113.032. JOSEPH EDGECOMB.
PURCHASES FOR CAPSTANS.



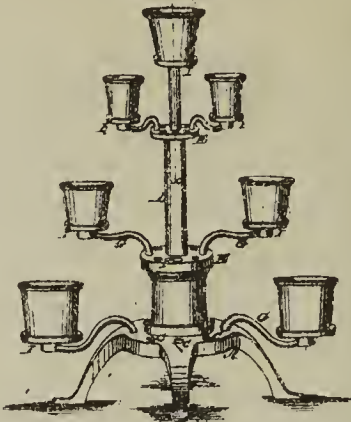
113.033. THOMAS A. EDISON.
PRINTING-TELEGRAPH APPARATUS.



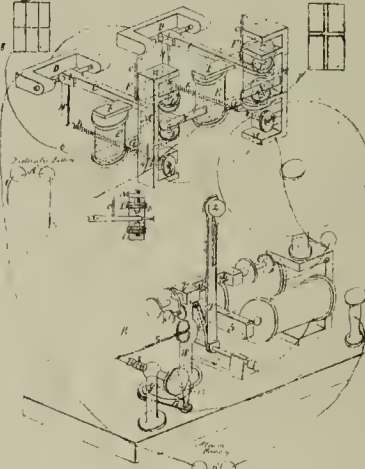
113.034. THOMAS A. EDISON.
PRINTING-TELEGRAPH APPARATUS.



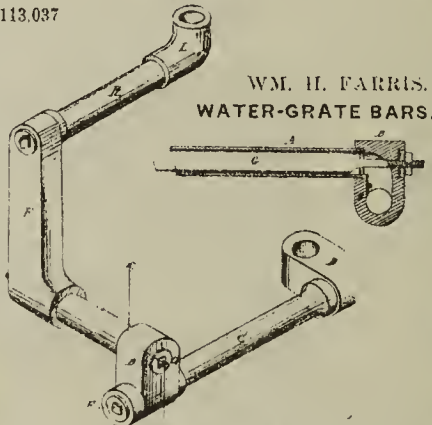
113.035. GARRETT ERKSON.
FLOWER-STANDS.



113.036. WILSON E. FAGER.
ELECTRO-MAGNETIC BURGLAR-ALARM.

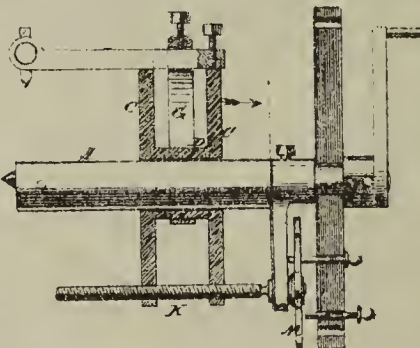


113.037

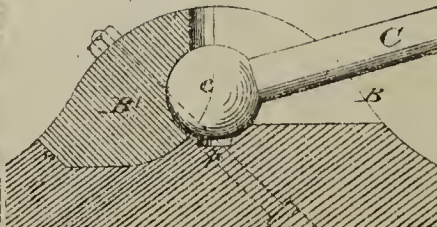


WM. H. FARRIS.
WATER-GRATE BARS.

113.038. JOHN FRANKLIN FINGER
HAND-TURNING AND BORING-MACHINE

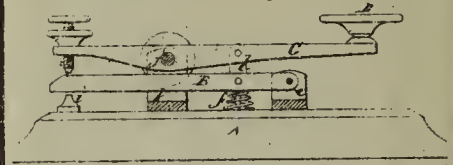


113.039. EDWARD C. FISH.
PITMAN-ROD CONNECTIONS.

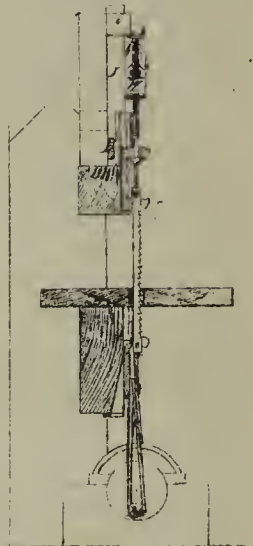


113.040. RUPUS B. FOWLER.
DANIEL F. BRANDON.
COATING IRON AND STEEL
WITH MOLTEN IRON.

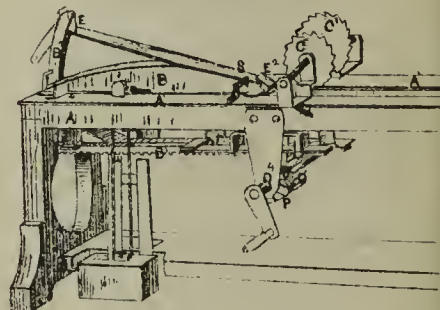
113.041. JAS. GAMBLE MECHANICAL
TELEGRAPH-INSTRUMENTS.



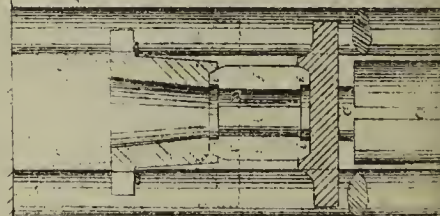
113.042. WM. GARDNER. SCROLL-SAWS.



113.043. ROBERT W. GEORGE.
STAVE-SAWING MACHINES.

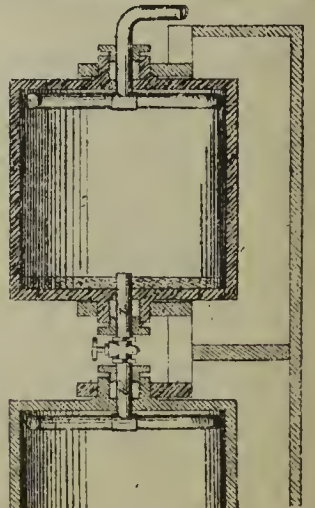


113.044. CHAS. B. GILMAN. METHODS
OF BANDING COMPRESSED WOOD.



113.045

SAM. D. GILSON.
MANUFACTURE OF SALT FROM BRINES.

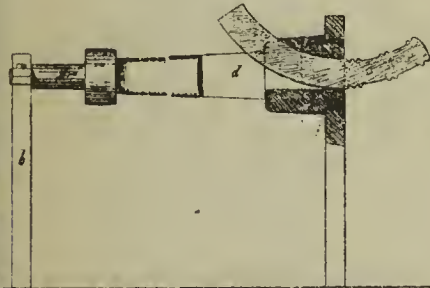


113,048, DANIEL A. HALL.
DAVID GARRISON.
CONSTRUCTION OF PIER-GLASS
FRAMES AND CORNICES.

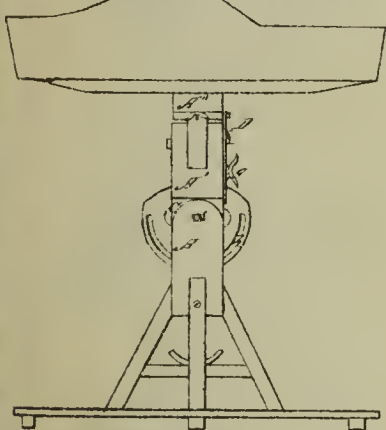


113,047, HORATIO N. HARBACH.
THEO. J. HARBACH.
CONFECTIONERY OR
COCOANUT-CANDY.

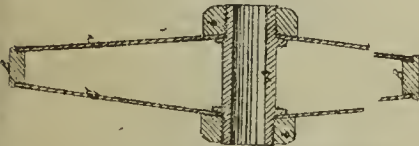
113,048, PIERRE J. HARDY.
TURNING-LATHES.



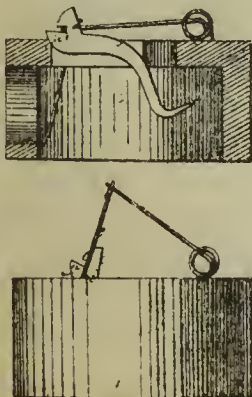
113,049, D. R. HARRIS.
COACH-PAINTERS' EASELS.



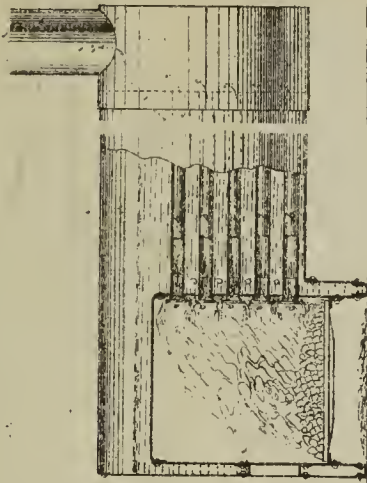
113,050, JAMES HARRIS.
WHEELS FOR VEHICLES.



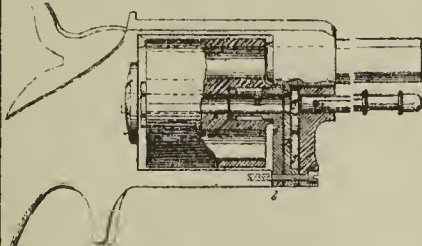
113,051, HUBERT C. HART.
MOUSE-TRAPS.



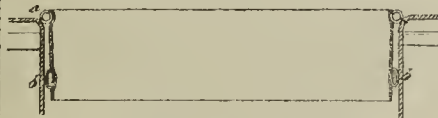
113,052, JAS. M. HICKS.
TUBULAR STEAM-GENERATORS.



113,053, SAMUEL S. HOPKINS.
REVOLVING FIRE-ARMS.

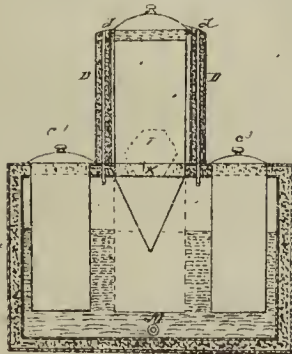
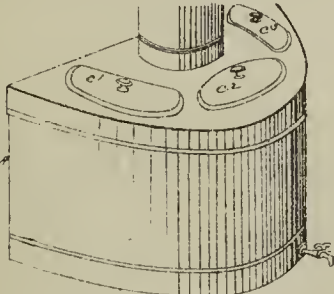


113,054, HENRY A. HOUSE.
VENTILATORS FOR HATS.

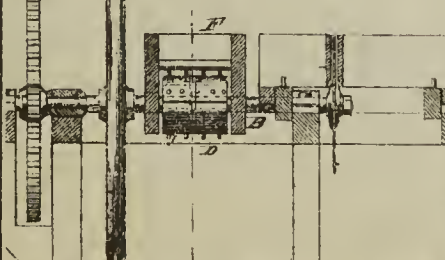


113,055 SUSPENDED

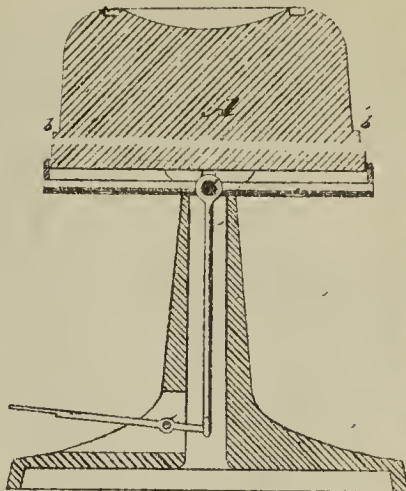
113,056, ANTHONY ISKE.
REFRIGERATORS AND WATER-COOLER



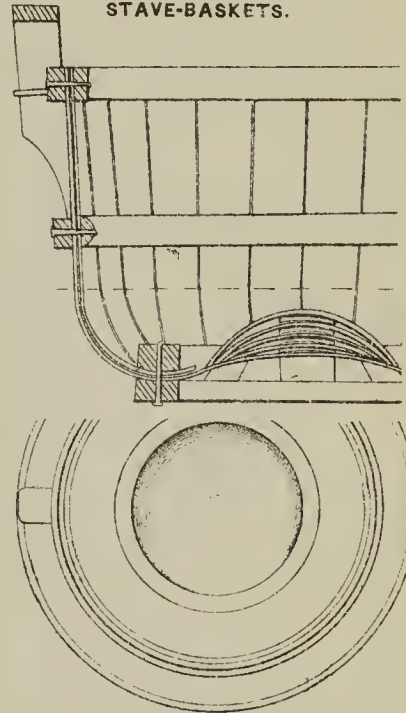
113,057, PIERSON JACOBUS.
SAWING-MACHINES.



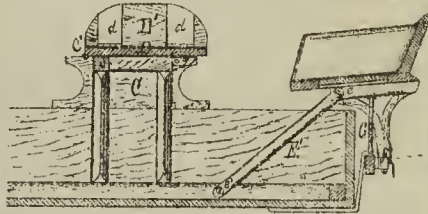
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FORMERS FOR BASKETS.



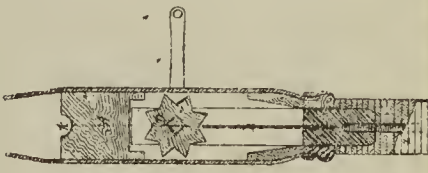
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STAVE-BASKETS.



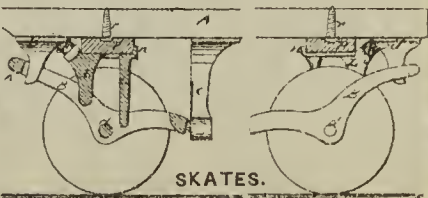
113,060, RICHD. E. JONES.
ADJUSTABLE SEATS FOR VEHICLES.



113,061, CHARLES KAST.
POLICE-BATONS.

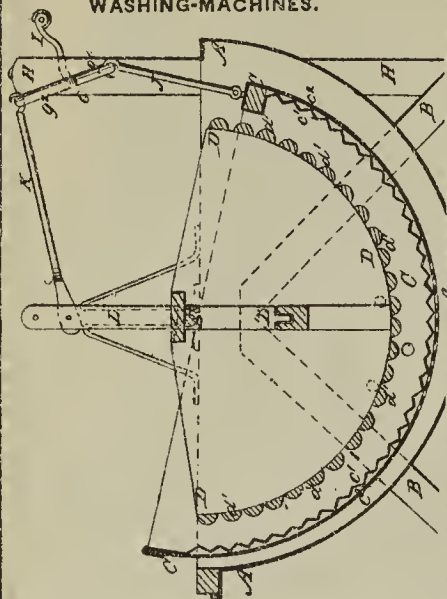


113,062, DAVID KERR.
ASA EBENEZER HOVEY.

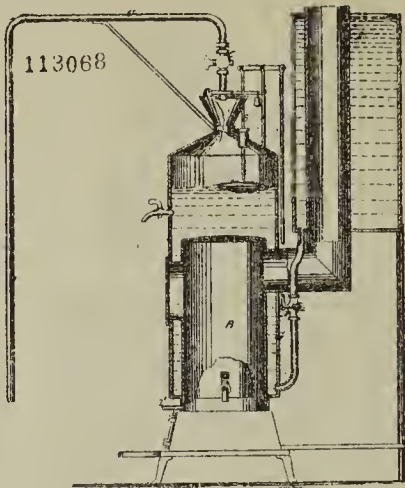


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MEAT-BISCUITS.

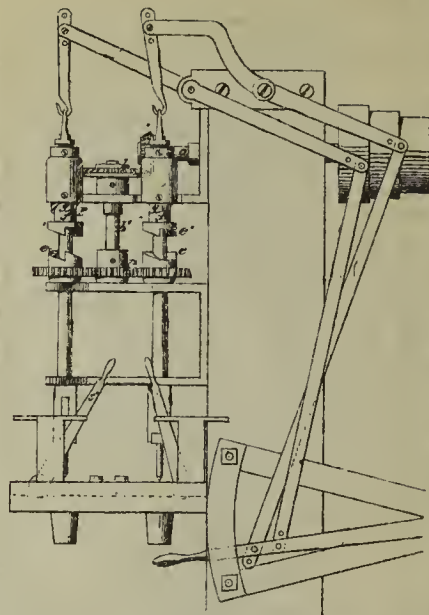
113,084, EDWIN KNOCK.
WASHING-MACHINES.



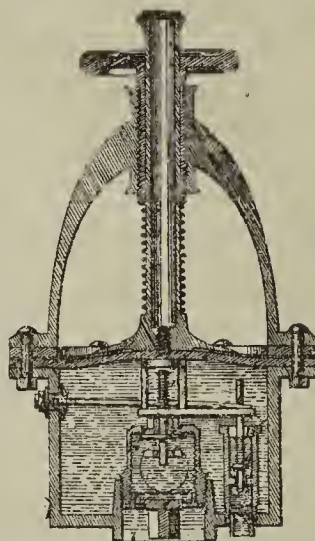
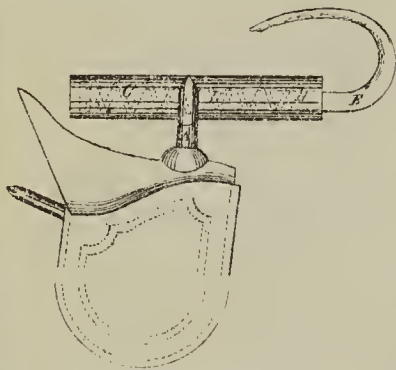
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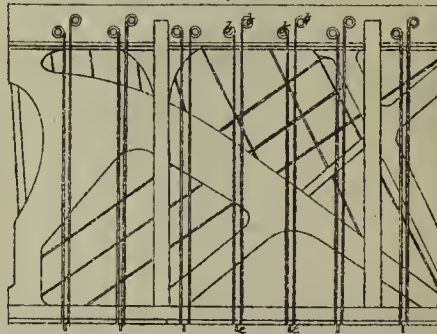
113,069, NATHANIEL C. LOOKE. STEAM AND WATER-PRESSURE REGULATORS.



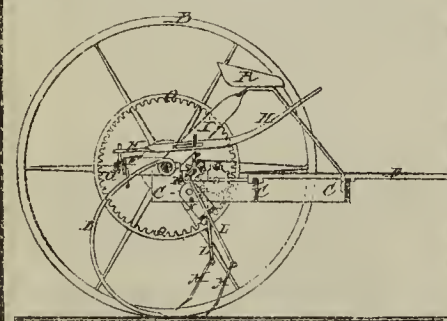
113,065. ALEXANDER LADD.
CHECK-REIN HOOKS.



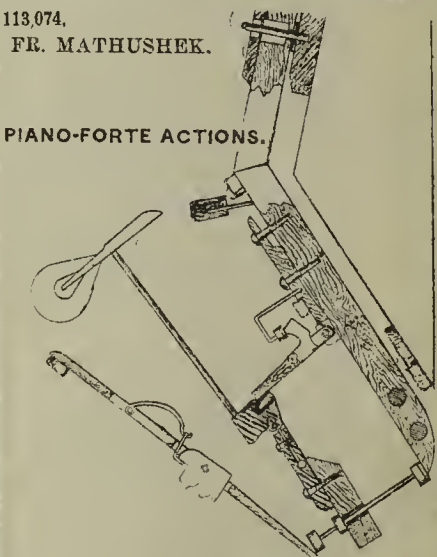
113,073, FR. MATHUSHEK. PIANOS.



113,066. CHARLES LA DOW.
COMBINED HAY-RAKES AND TEDDERS.

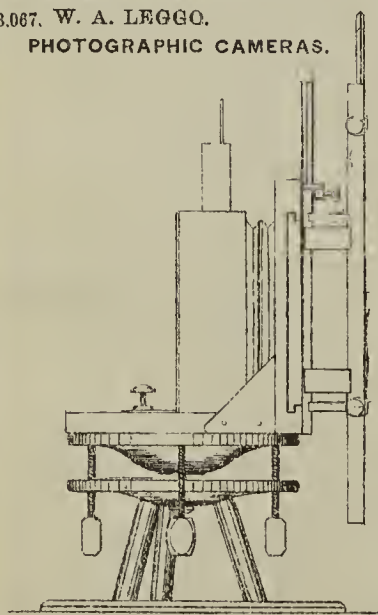


113,074,
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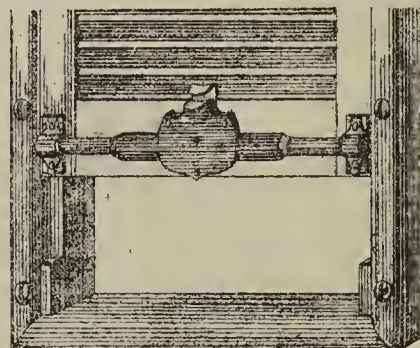


PIANO-FORTE ACTIONS.

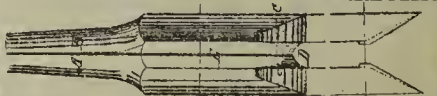
113.067. W. A. LEGGO.
PHOTOGRAPHIC CAMERAS.



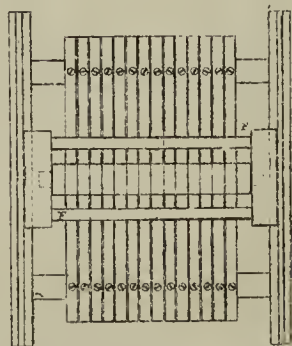
113,070, ADAM LOEFFELHOLZ.
ANTON PRIER.
SASH-HOLDERS FOR RAILROAD-CARS.



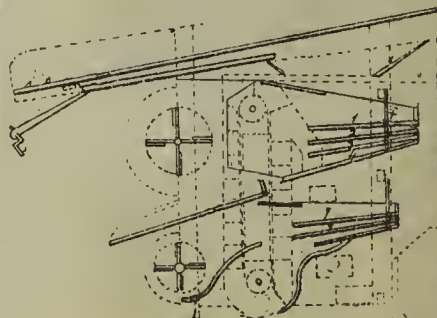
113,075. EDGAR McCONNELL.
CHISELS FOR MORTISING-MACHINES.



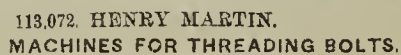
113,071, GEORGE W. MANTON.
MACHINES FOR CUTTING VENEERING
INTO STRIPS.



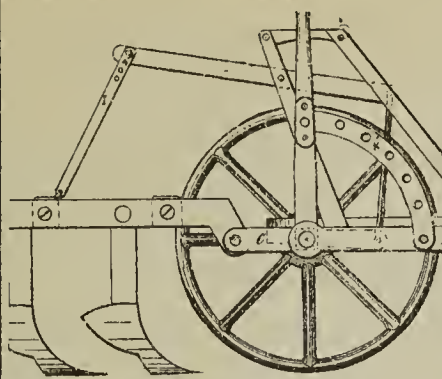
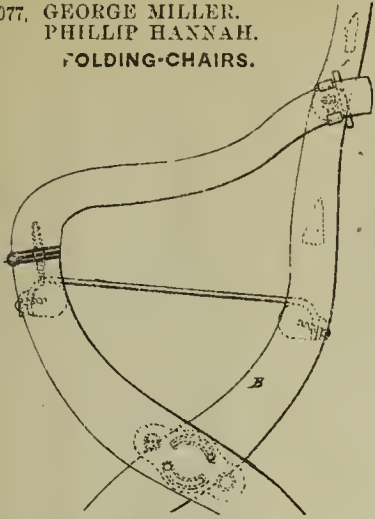
113,076. CURTIS MILLER.
SEPARATORS FOR THRASHING
MACHINES.



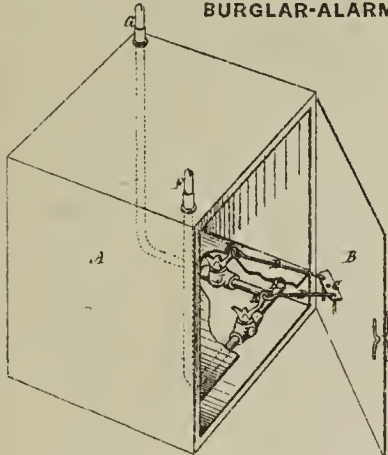
113.068, OTTO LEHMANN.
STEAMING APPARATUS.



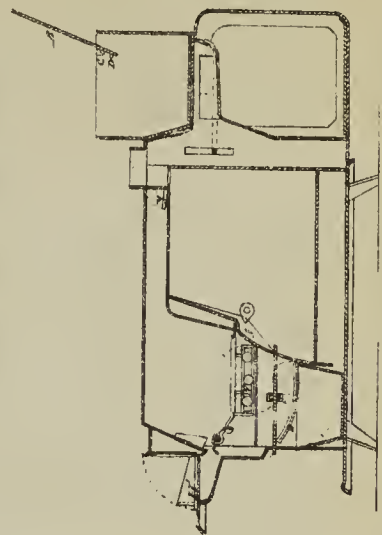
113,077, GEORGE MILLER.
PHILLIP HANNAH.
FOLDING-CHAIRS.



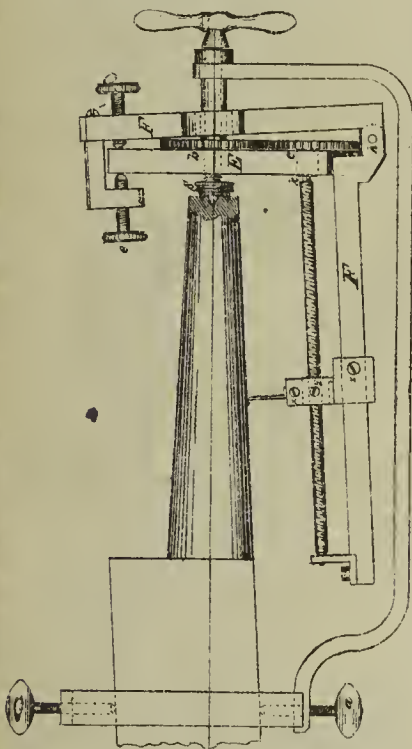
113,082, JOHN T. MYGATT.
JOHN DOWNING.
BURGLAR-ALARMS.



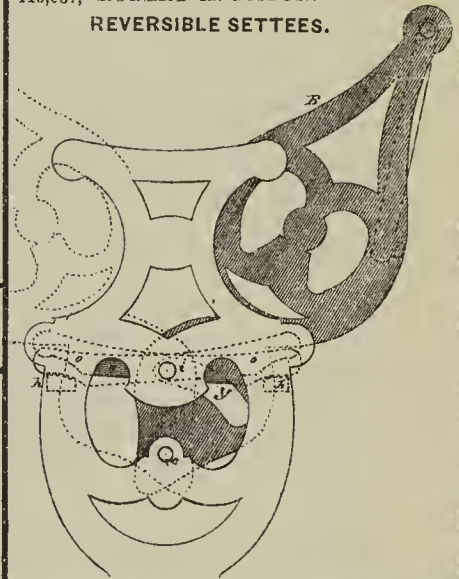
113,086, DANL. ELDON PARIS.
COOKING-STOVES.



113,078, ARTHUR F. MOORE.
MACHINES FOR TURNING AXLES.

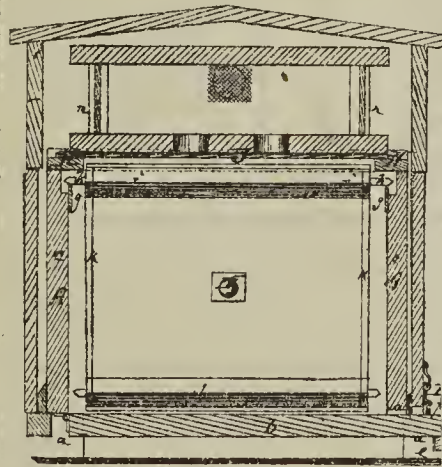


113,087, ROBERT H. PATON.
REVERSIBLE SETTEES.

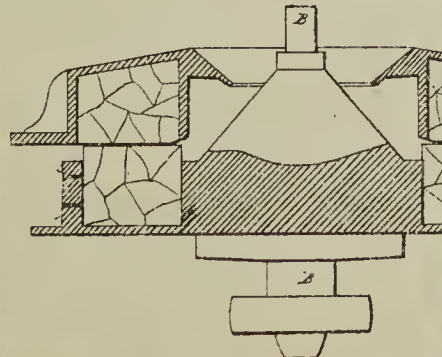


113,083, JOTHAM NEWTON.
COMPOSITION-FUELS.

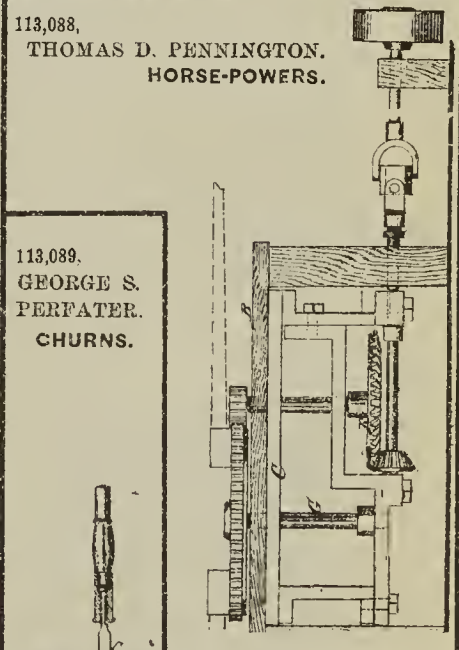
113,084, PHILIP NICOLLE. BEE-HIVES.



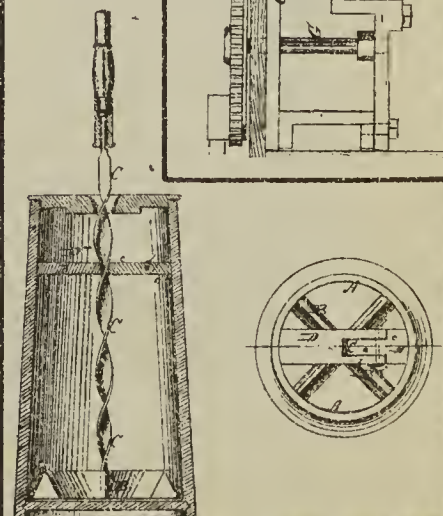
113,085, JACOB S. NISWANDER.
GRINDING-MILLS FOR ORES.



113,088, THOMAS D. PENNINGTON.
HORSE-POWERS.

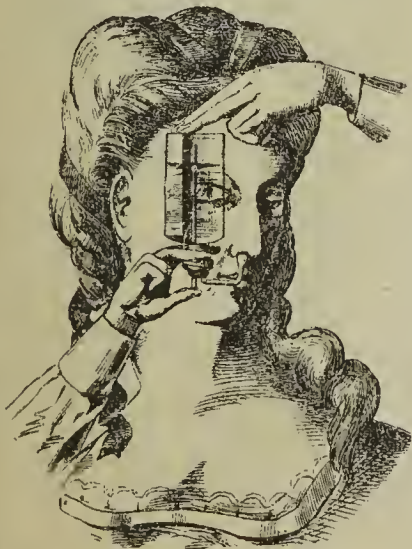


113,089, GEORGE S. PERFATER.
CHURNS.



113,079, GEORGE MOTLEY.
MAKING FLOUR.

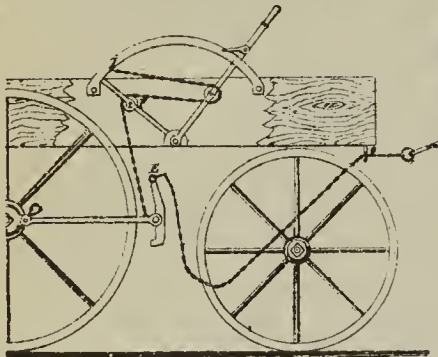
113,080, RICHARD M. MOYLE.
CATARRHAL DOUCHES.



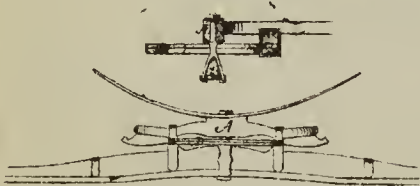
113,081, JOHN MURRY.
GANG-FLOWS.

113,090. JOHN J. PRATT.
ELECTROPLATING LETTERS AND
NUMBERS ON METALLIC PLATES
FOR SIGNS,

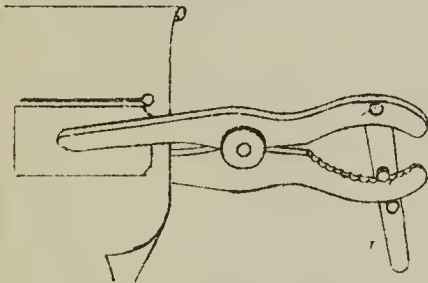
113,091. ABRAHAM QUINN.
SHOE-BRAKES FOR WAGONS.



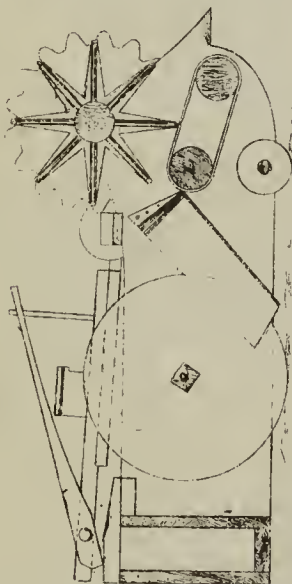
113,092. JOHN RANCEVAN.
RUNNING-GEARS FOR CARRIAGES.



113,093. LOYAL REDING.
BUTTON-HOLE CLAMPS AND GUIDES.



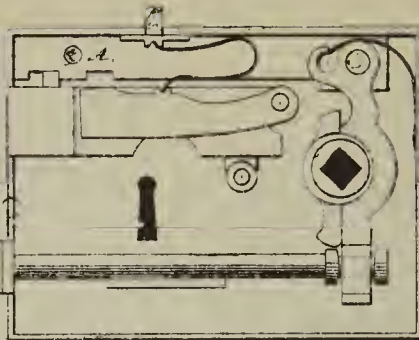
113,094. BENJAMIN M. REEVES.
MACHINES FOR PULLING FLAX.



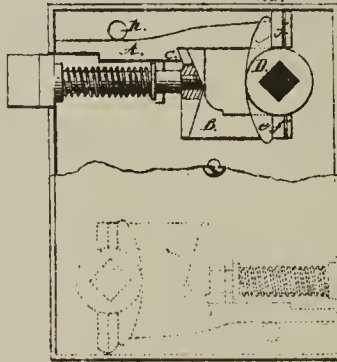
113,095. JOHN RICH.
CHUCKS FOR LATHES.



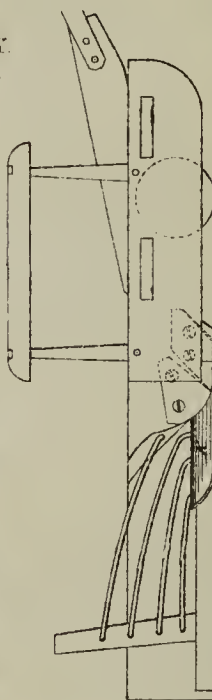
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REVERSIBLE KNOB-LATCHES.



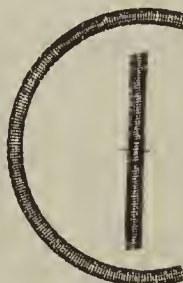
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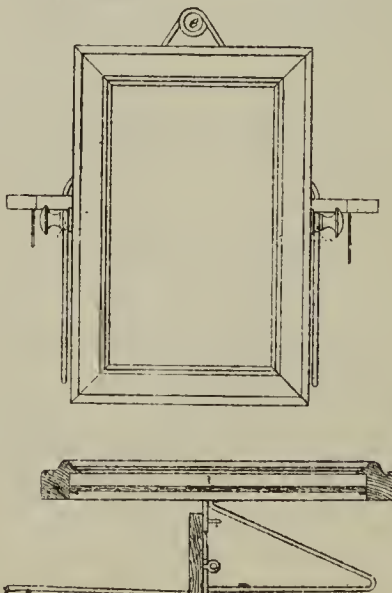
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HAMILTON RONEY.
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113,099.
ELIJAH H.
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SPIRAL BANDS.

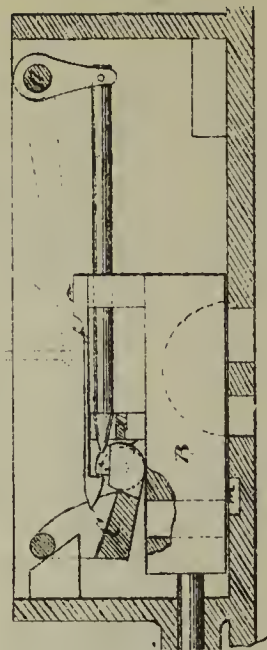


113,100. RANSOM T. SARGENT.
SUSPENSION TOILET-MIRRORS.

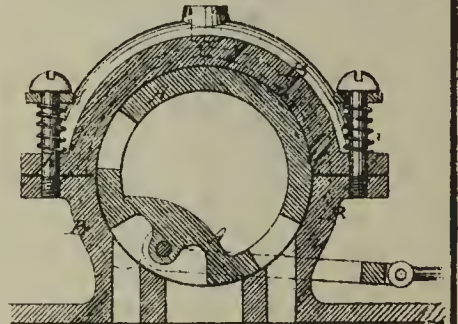


113,101.

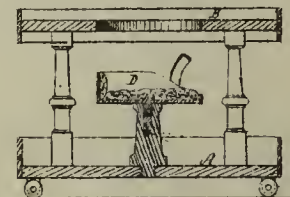
THOMAS SAULT.
CUT-OFF ATTACHMENTS
TO SLIDE-VALVES.



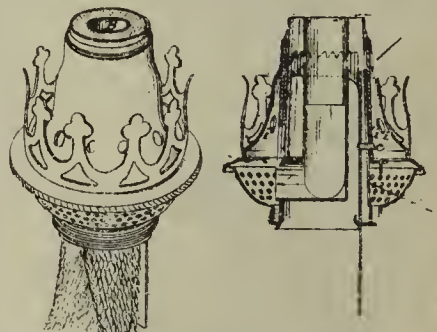
113,102. WILLIAM SIEFERT.
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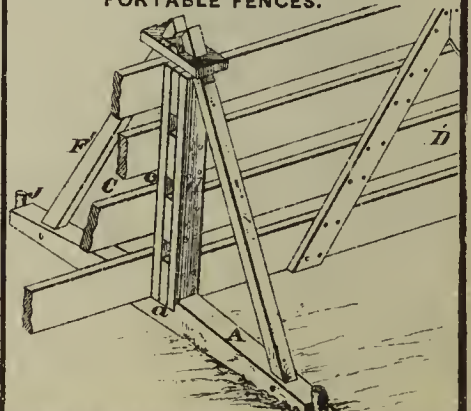
113,103. SAMUEL M. SIMONDS.
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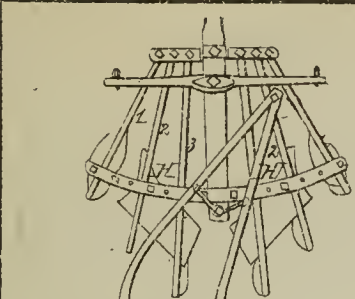
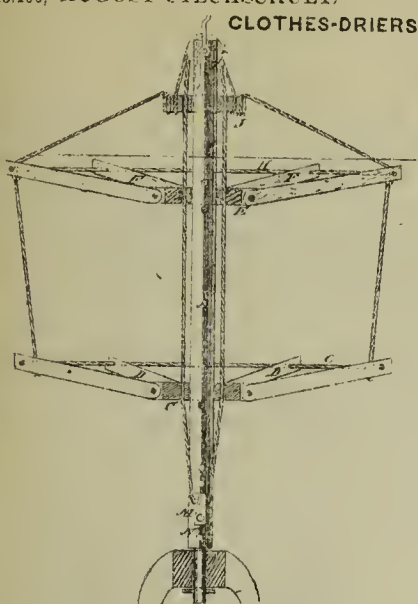
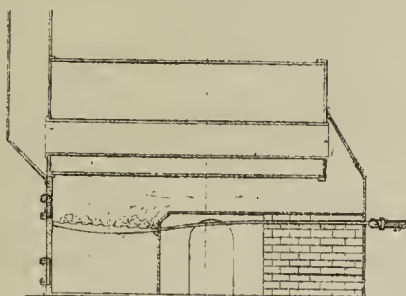
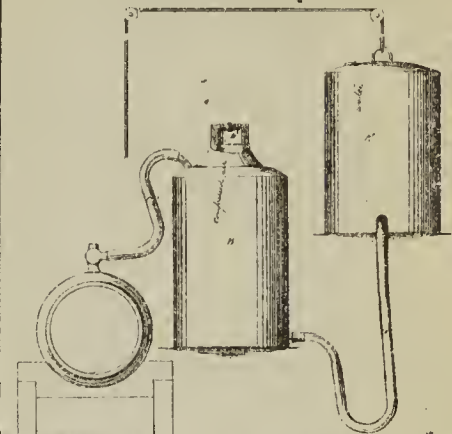
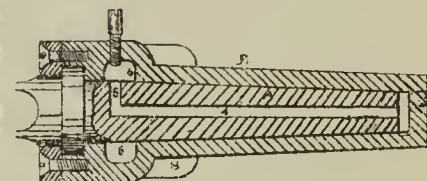
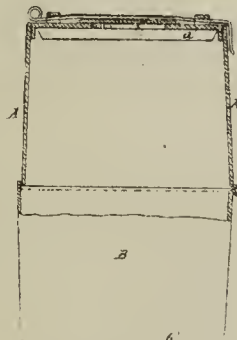
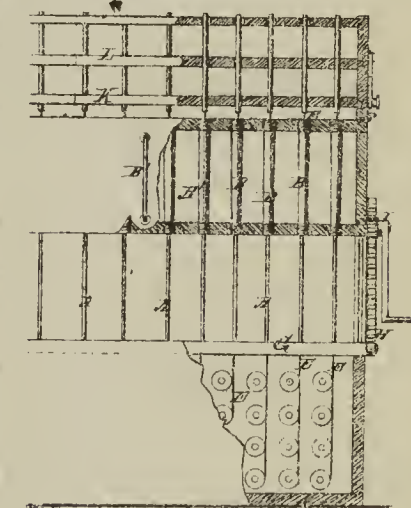
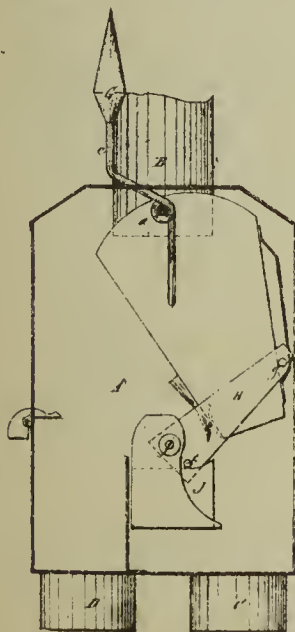
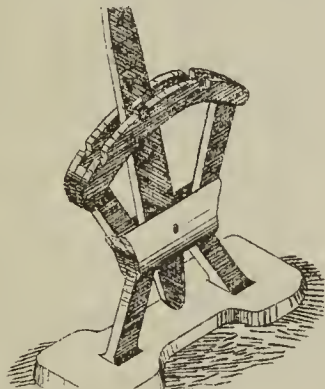
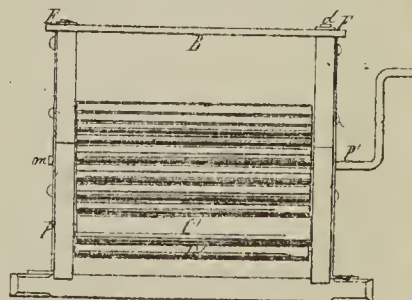
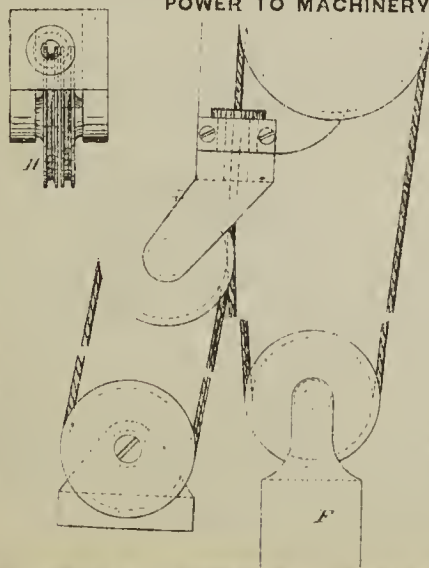
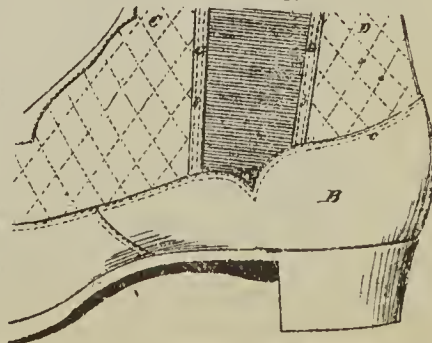


113,104. GEO. L. SMITH. LAMP-BURNER

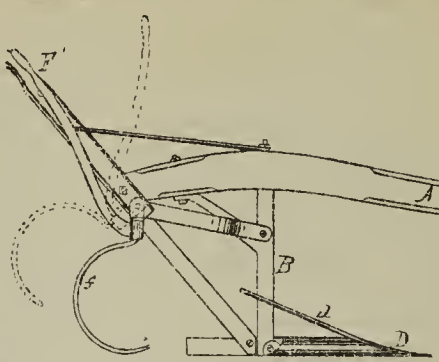
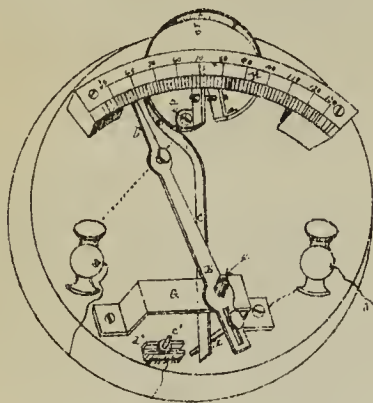


113,105. FRANK SPROUL.
PORTABLE FENCES.

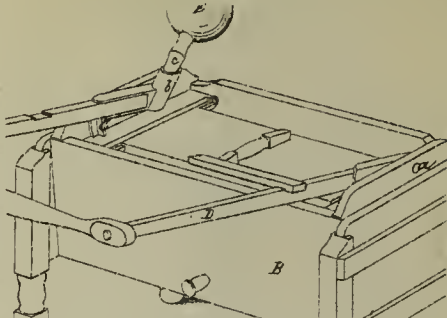


113,106, AUGUST STECHSCHULT.
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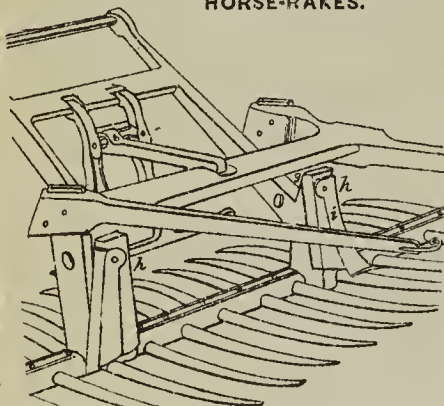
113,120, WILLIAM B. WATKINS. MEANS
FOR DETECTING AND SIGNALING FIRES.



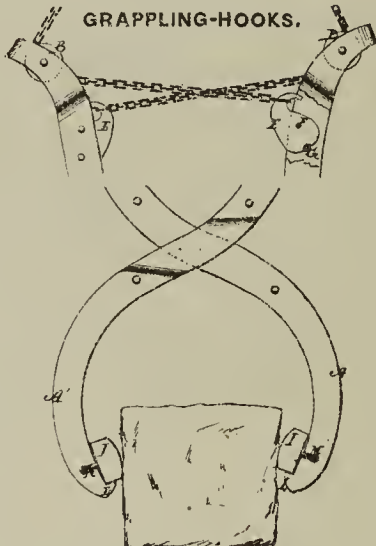
113,130, ALFRED M. BAILEY.
WASHING-MACHINES.



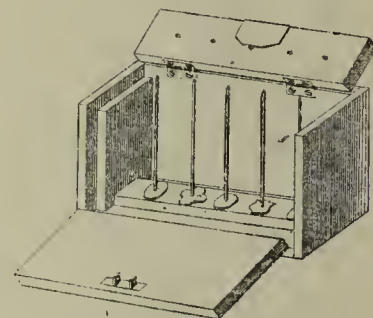
113,121, BENJAMIN WEBB.
HORSE-RAKES.



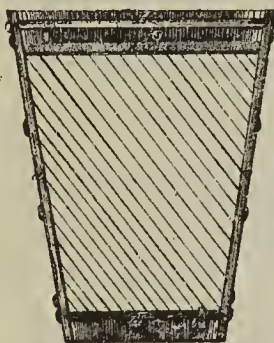
113,126, ELIAS ZIEGLER.
CHARLES OABLE.
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113,131, ANDREW A. BAKER.
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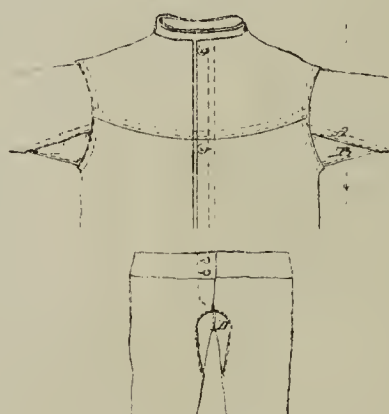


113,122, CHARLES H. WHITE.
BUTTER-TUBS.

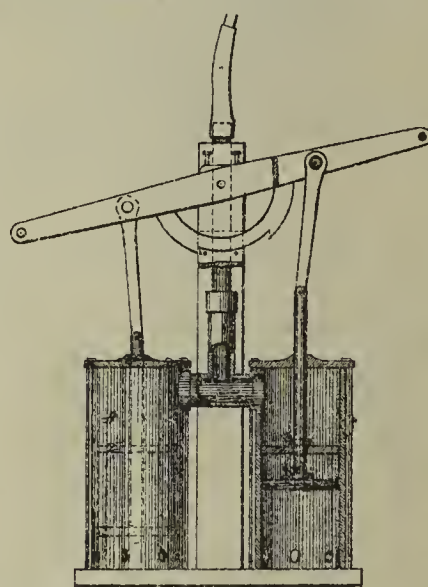


113,127, JOHN ZENGELER.
COLORING AND STAINING MARBLE.

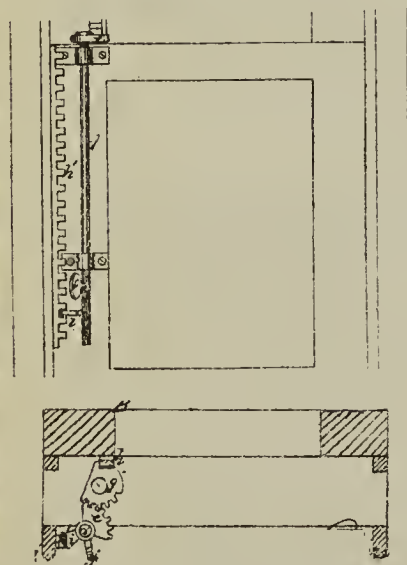
113,128, JOHN H. ANDRUS.
SKIN UNDER-GARMENTS.



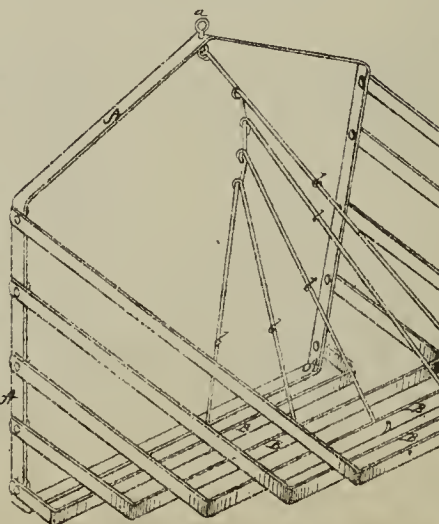
113,132, JEREMIAH BARNEY.
DOUBLE-ACTING FORCE-PUMPS.



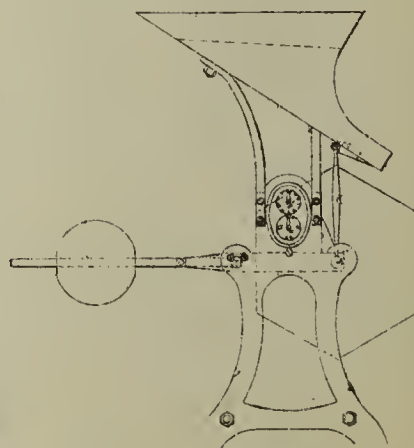
113,123, B. M. WHITING.
SASH-HOLDERS.



113,129, HENRY M. ANDRUS.
JEHIEL H. CLEVELAND.
CLOTHES-RACKS.



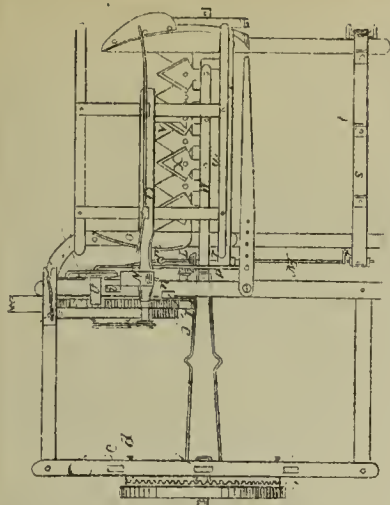
113,133, WILLIAM HY. BAXTER.
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113,124, THOMAS ATWOOD WILLSON.
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113,125, JACOB A. WOOD.
THOMAS WOOD.
BEAN-HARVESTERS.

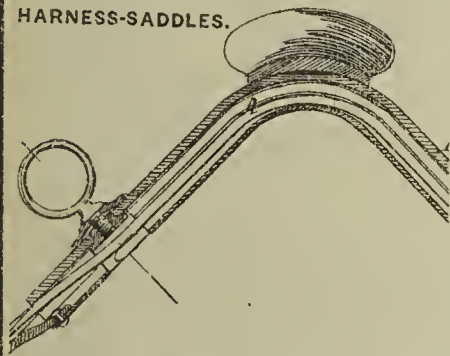
113,134, J. H. BEAM.
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113,135. THOMAS T. BISHOP.
HENRY J. MERRET.
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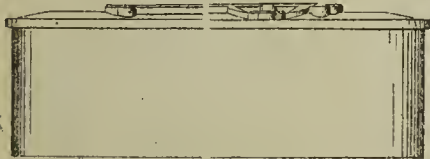
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HARNESS-SADDLES.



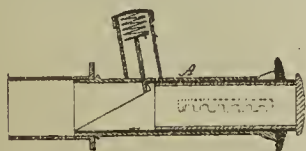
113,137. J. A. BOSTWICK.
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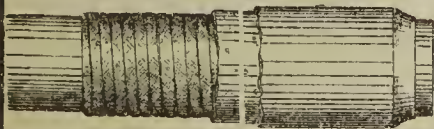
113,138. FRED. W. BROWN.
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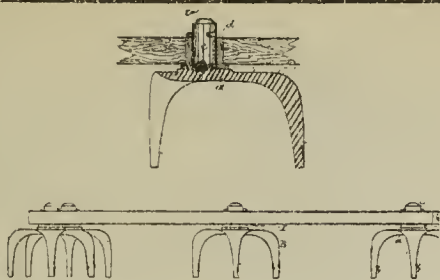
113,139. GEORGE D. CAPEWELL.
GEORGE A. CAPEWELL.
JOSEPH T. CAPEWELL.
SHOT-CHARGERS.



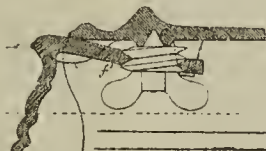
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TOP-ROLLS FOR SPINNING.



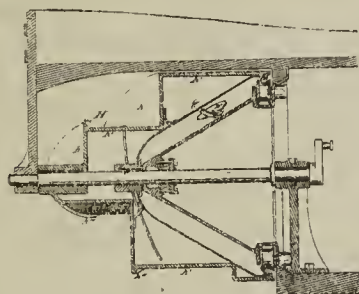
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ROTARY-HARROWS.



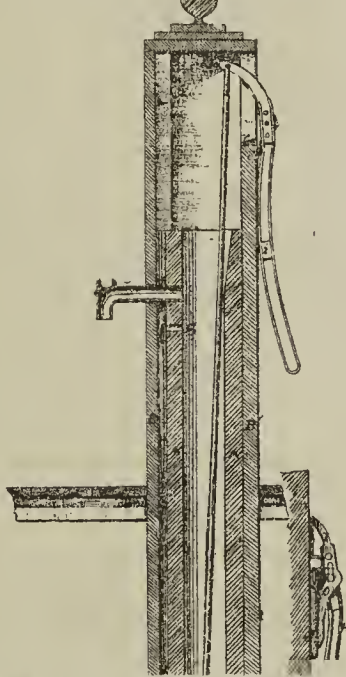
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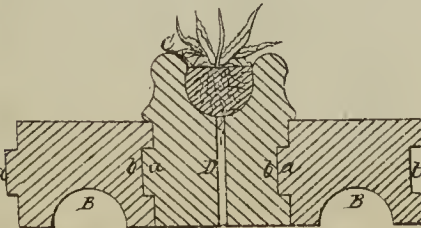
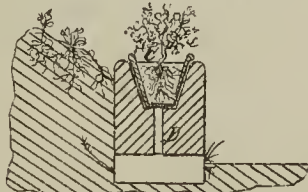
113,143. GEORGE B. COCKS.
MARINE PROPELLERS.



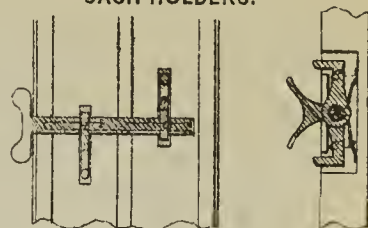
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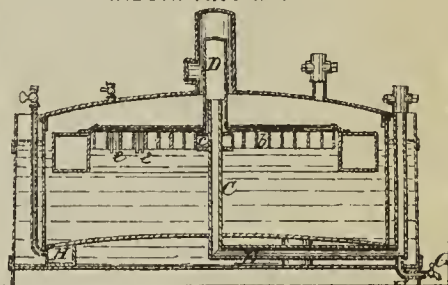
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SEELYE RICHMOND.
GARDEN-BED BORDERS.



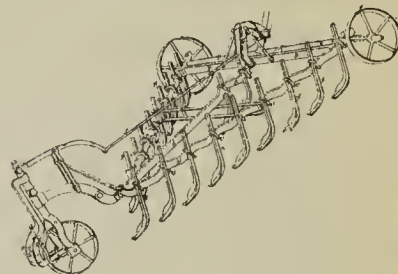
113,146. JACOB J. DIEHL.
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113,147. A. E. DUPAS.
ARTHUR BARBARIN.
CARBURETING-MACHINES.



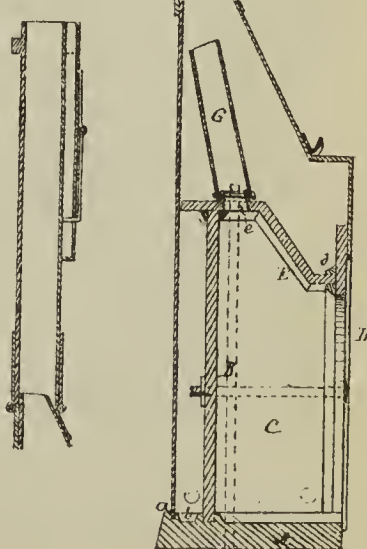
113,148. DAVID EDWARDS.
CULTIVATORS.



113,149. THOS. R. EVANS.
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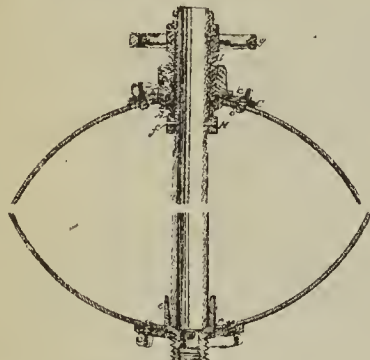
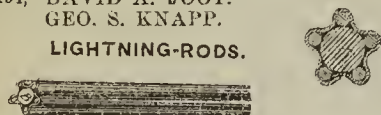
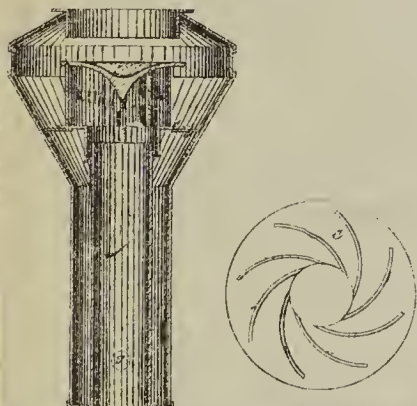
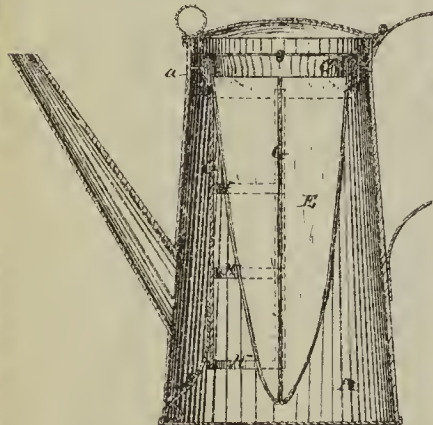
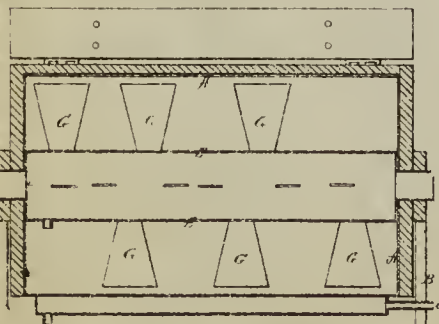
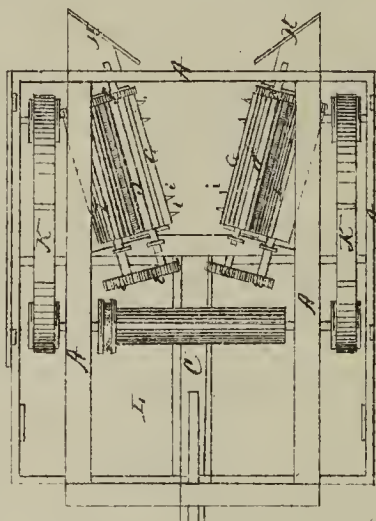
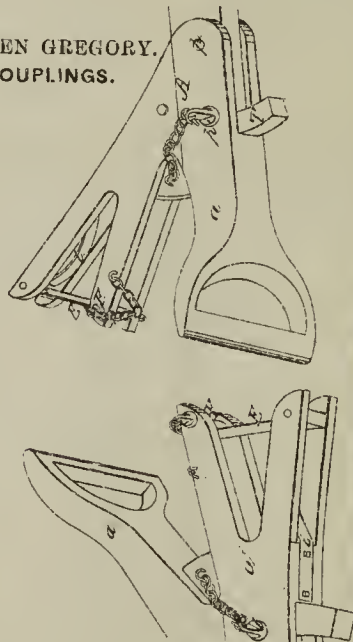
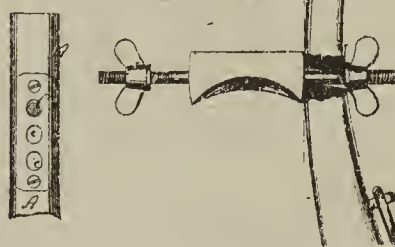
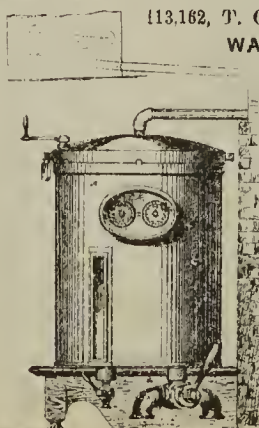
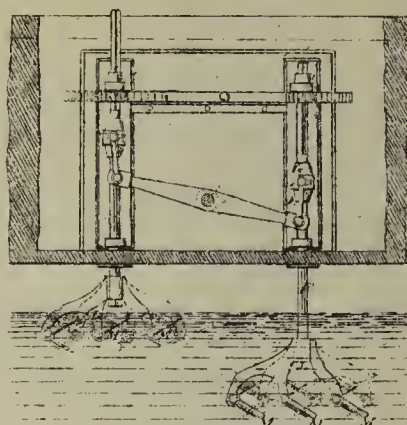
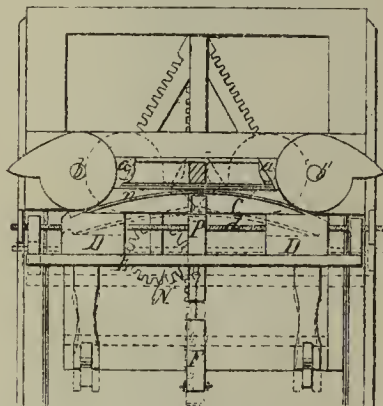
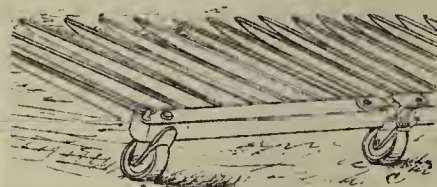
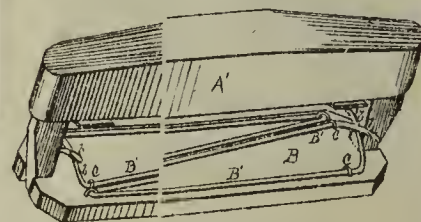
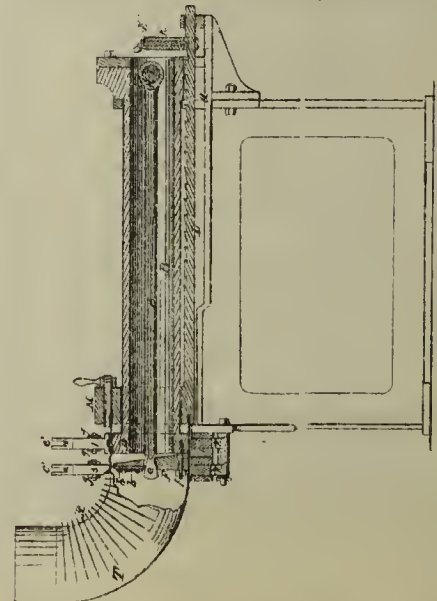


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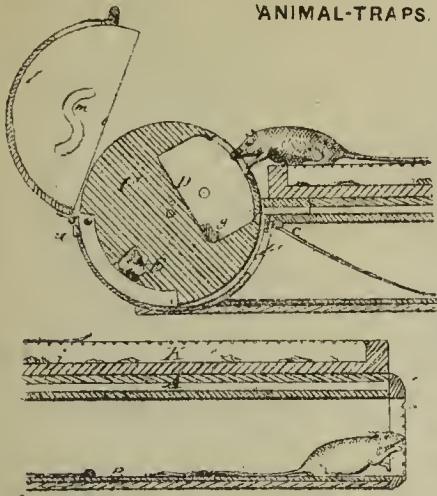


113,151. PHILIP FAY.
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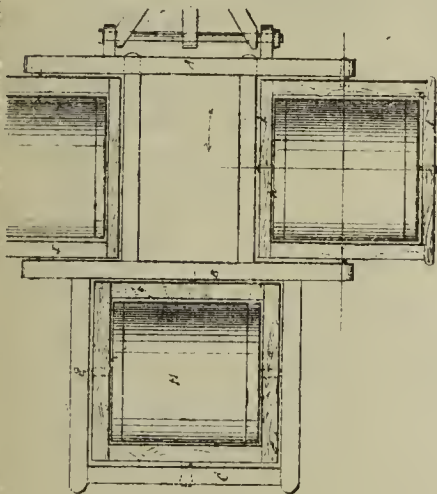
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113,153, DANIEL FISHER.
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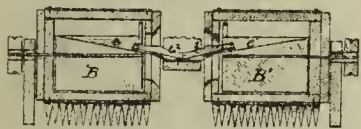
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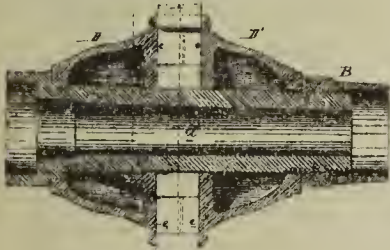
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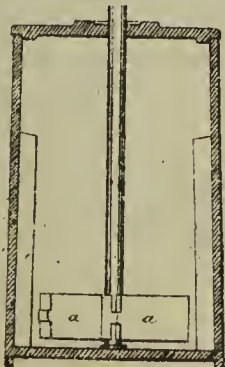
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COTTON-PICKERS.

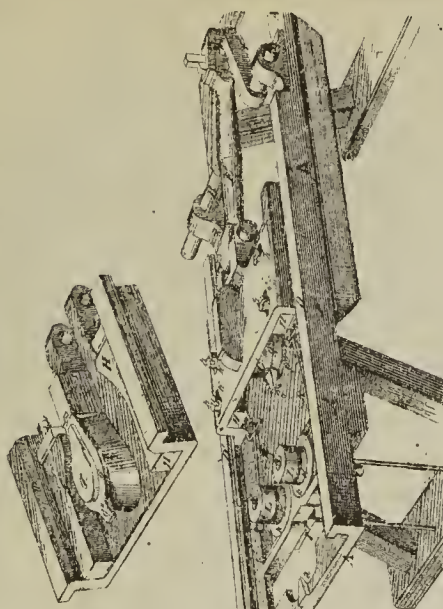
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WM. C. JOHNSON.
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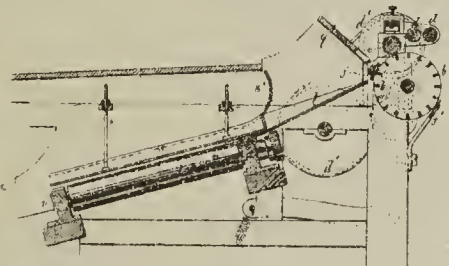
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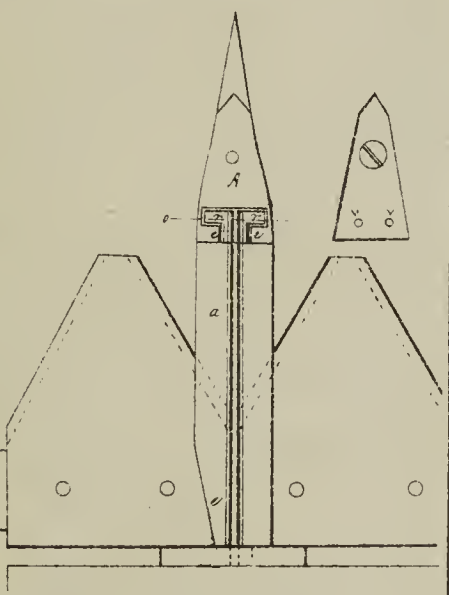
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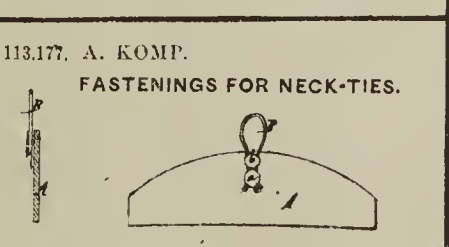
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SILAS R. KENYON.
CORN-PICKING AND HUSKING-MACHINE

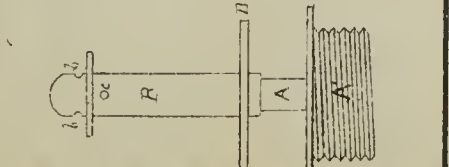
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WM. G. KENYON.*
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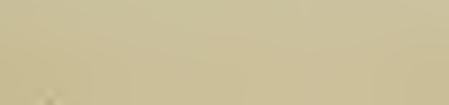
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RUDOLPH C. KLEIN.
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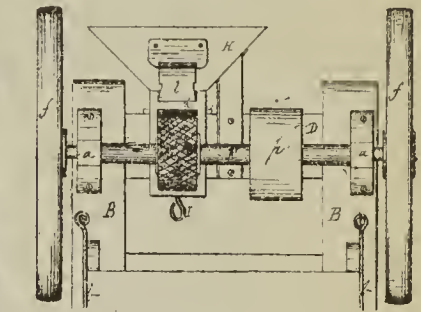
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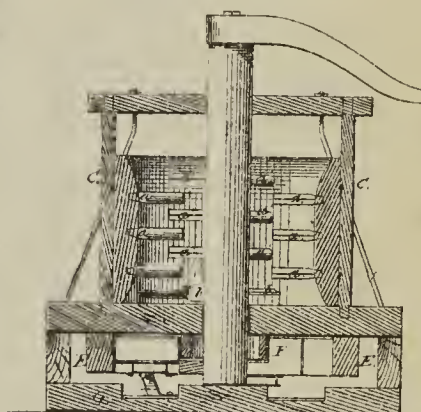
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WM. H. LAWRENCE.
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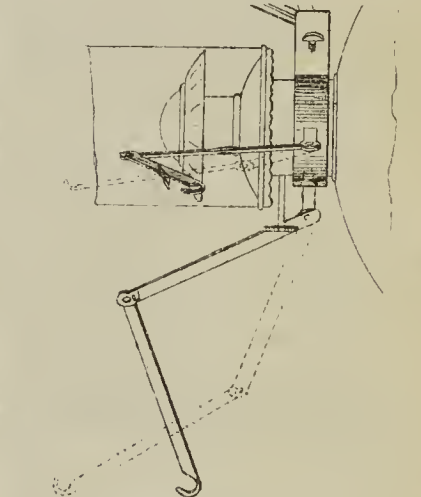
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EDWIN D. LITTLE.
EDGAR C. LITTLE.
GRINDING-MILLS.

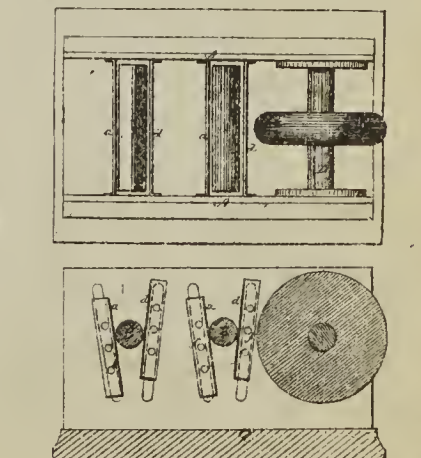
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ZALMON LUDINGTON.
PEAT-MACHINES.

113.181.

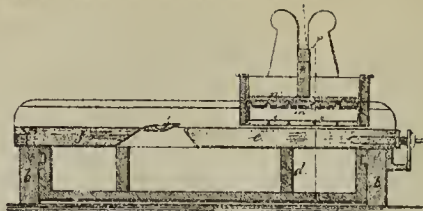
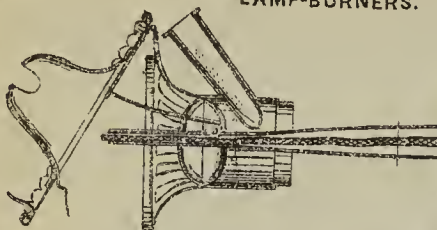
JAMES W. LYON.
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113.182.

FRANCIS W. MALLET.
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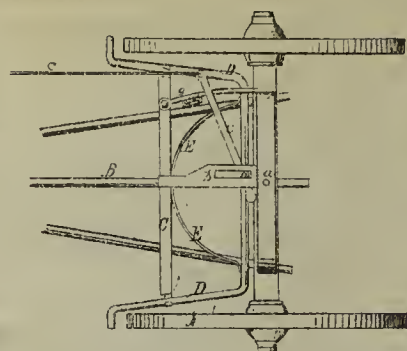
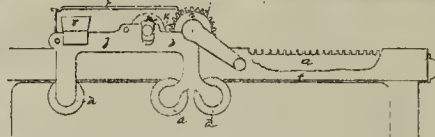
113,183. CHAS. B. MANN.

LAMP-BURNERS.

113,189. CHAS. E. MORRILL.
JOHN E. COFFIN.
GEO. F. HALL.

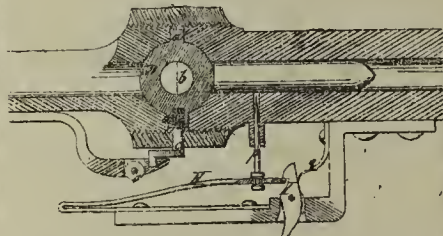
MACHINES

FOR STRIPING AND CUTTING LEATHER.

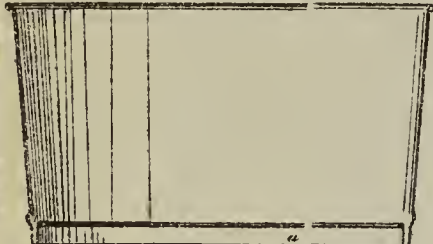


113,194. ROBERT NENNINGER.

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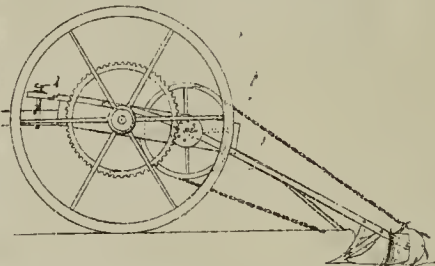


113,184. ROBERT J. MANN. SIEVES.

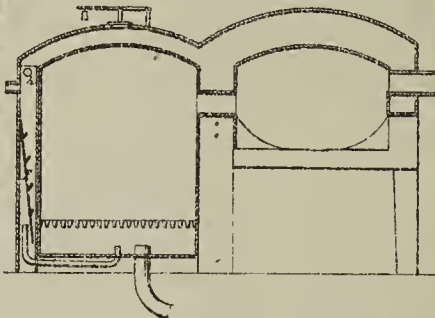


113,190. J. R. MORRIS.

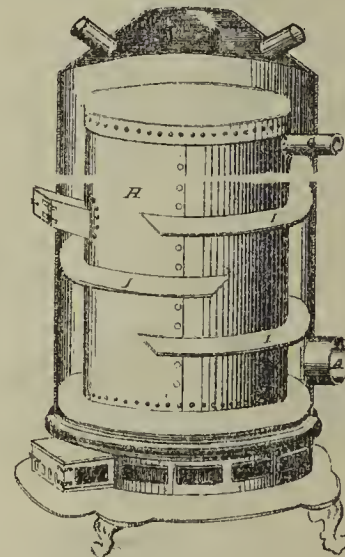
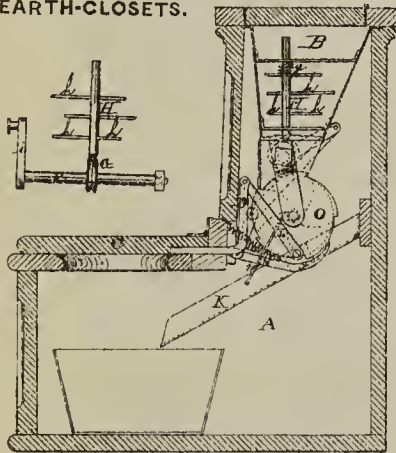
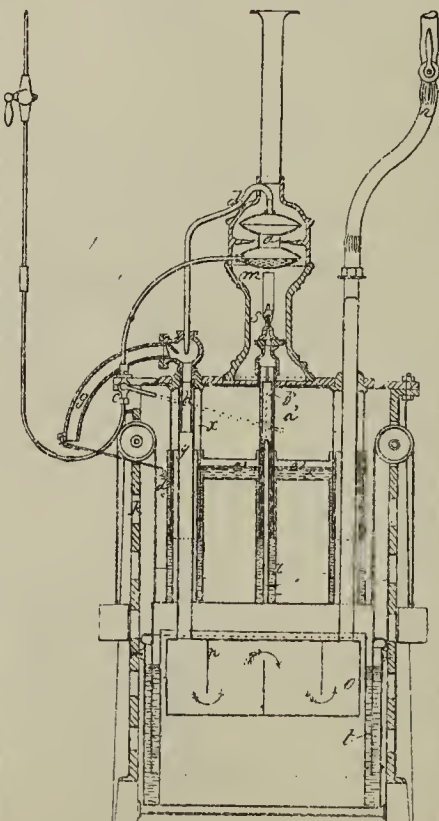
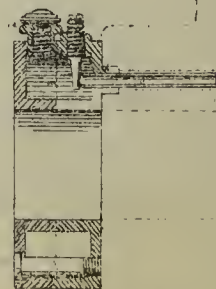
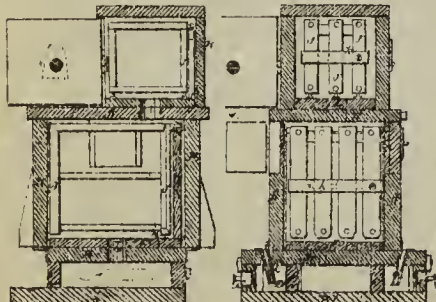
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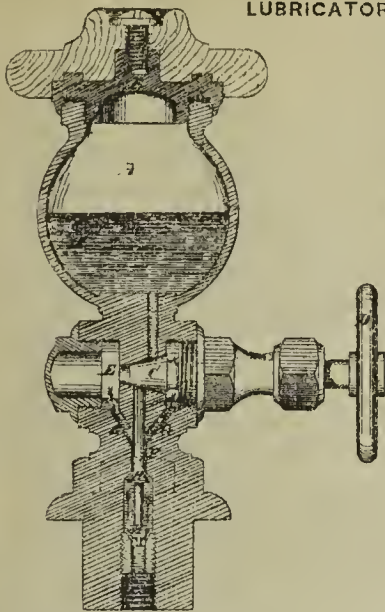
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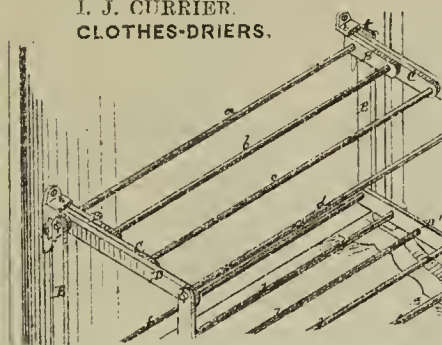
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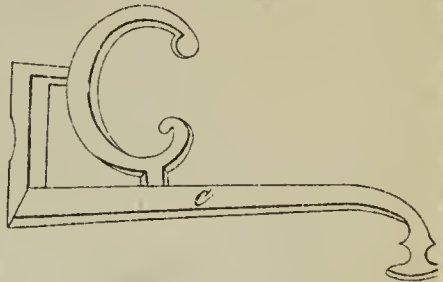
113,200, T. J. NOTTINGHAM.
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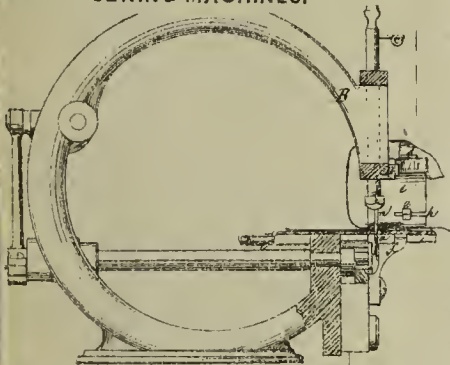
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113,209, CHAS. ROE SCOTT.
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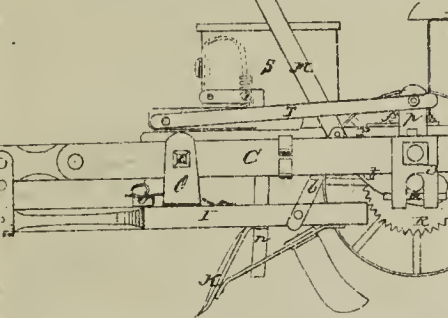


113,201. CHARLES O. PARMENTER.
SEWING-MACHINES.

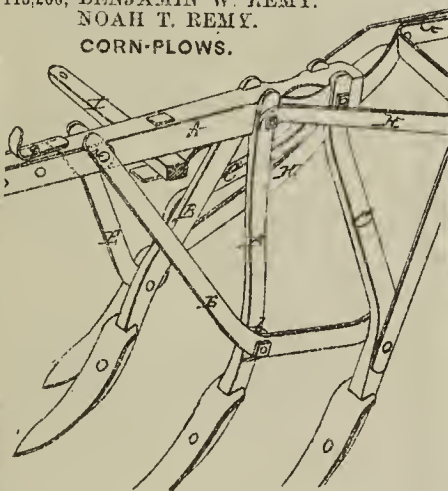


113,205, BENJAMIN W. REMY.
NOAH T. REMY.

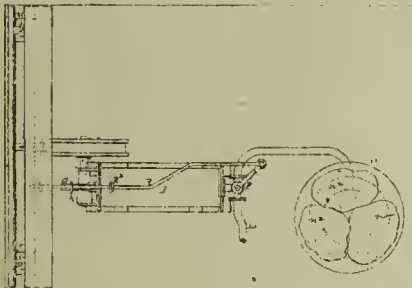
CORN-DRILLS.



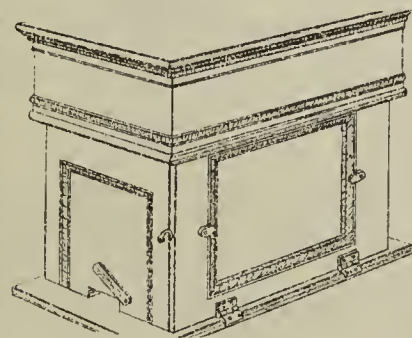
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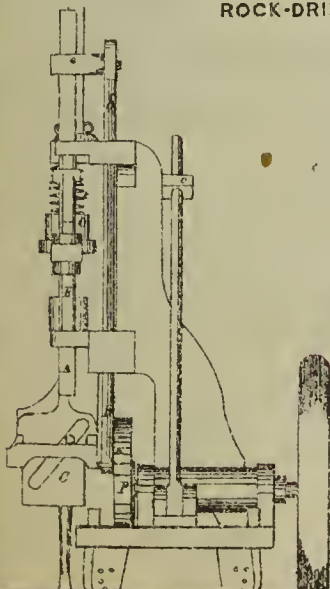
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113,207, WM. REYNOLDS. BEE-HIVES.
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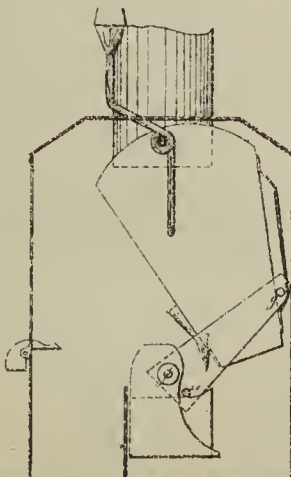


113,203. GEORGE B. PHILLIPS.
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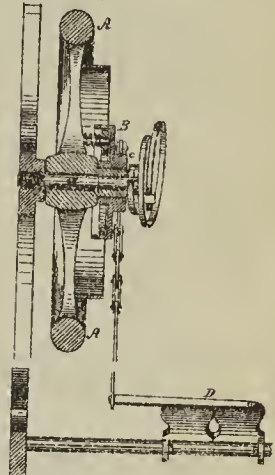


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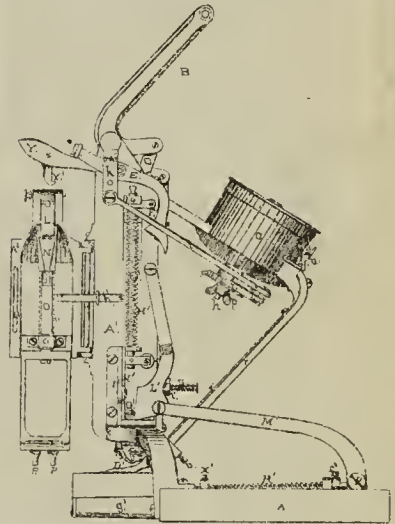
EUGENE N. RIOTTE.
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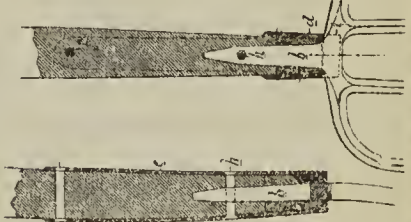
113,210, AL B. SHAW. TREADLES.



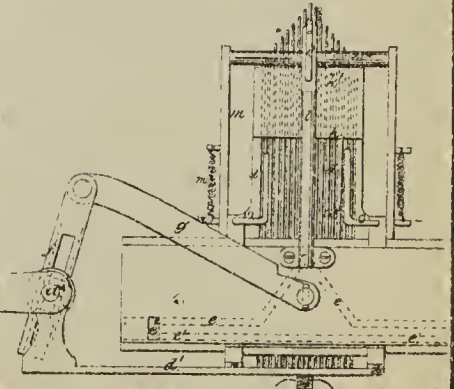
113,211, ELIJAH SHAW.
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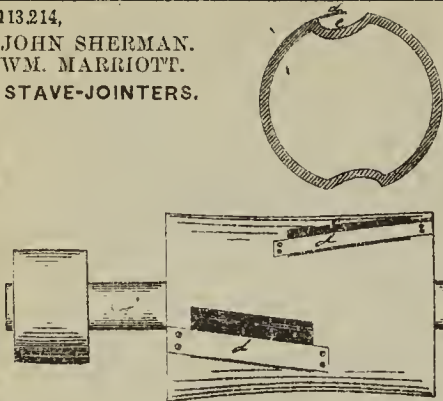
113,212, SAM'L SHEBLE.
FORKS. HOES, &c.



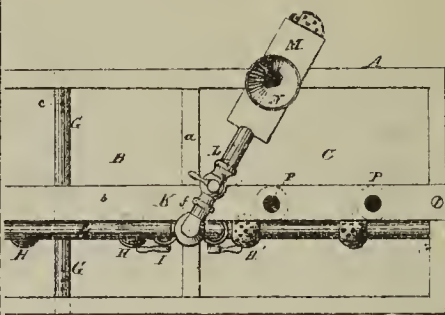
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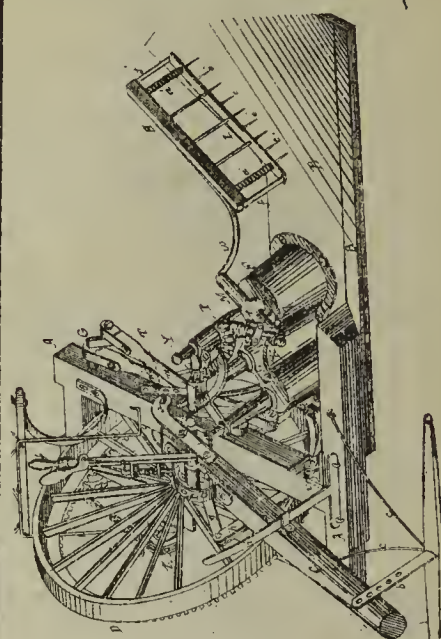
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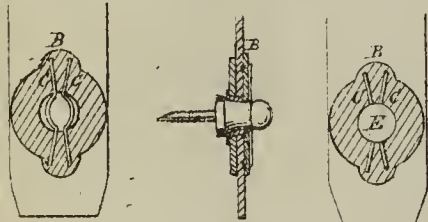
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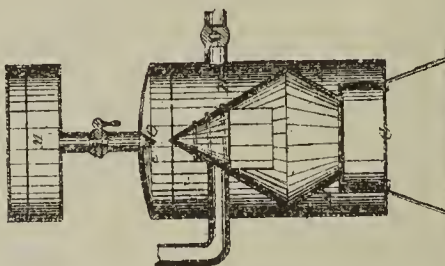
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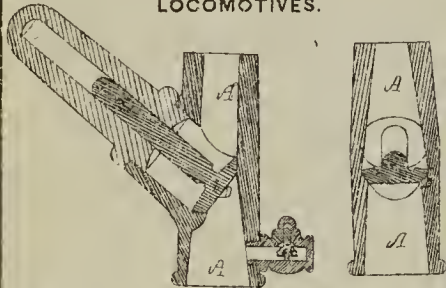
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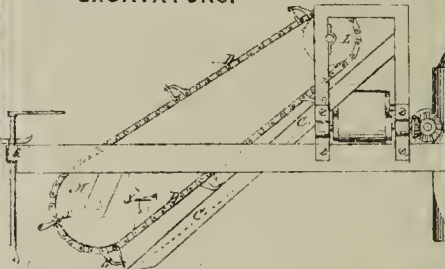
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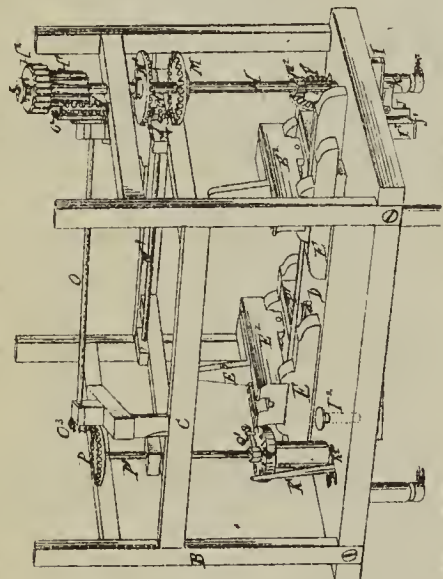
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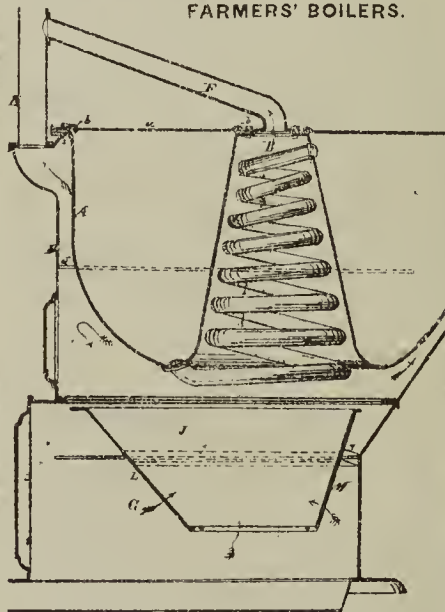
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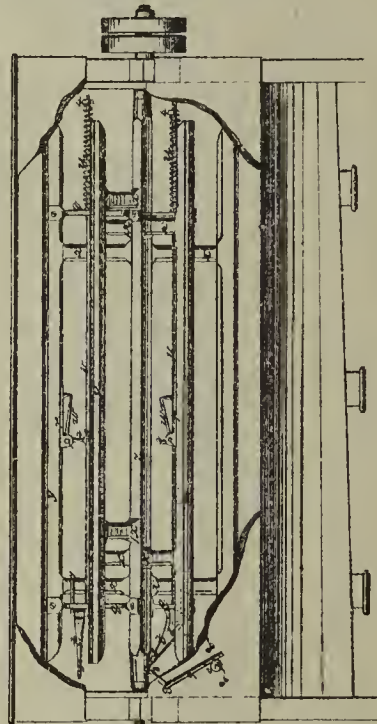
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ANDREW J. CHASE



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D. R. SPERRY.
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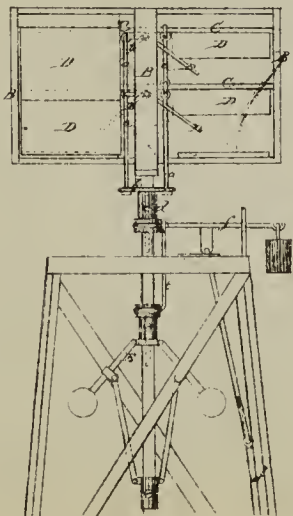


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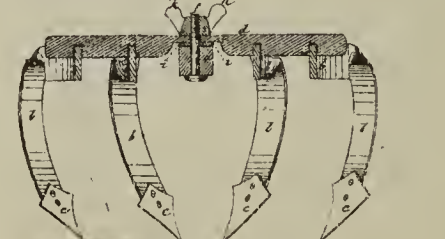


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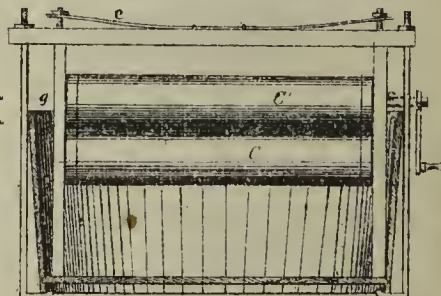
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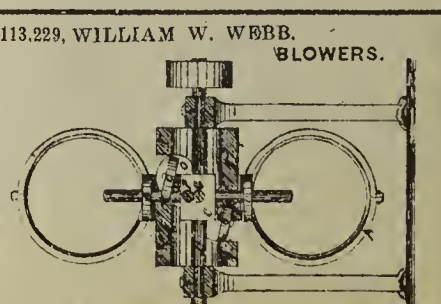
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113,227, PAUL WEATHERBEE.
WASHERS AND WRINGERS.

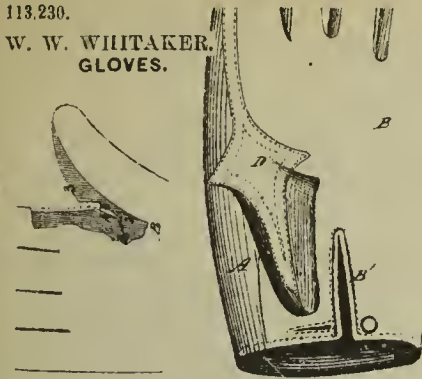


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COMPOSITIONS FOR TREATING IRON.

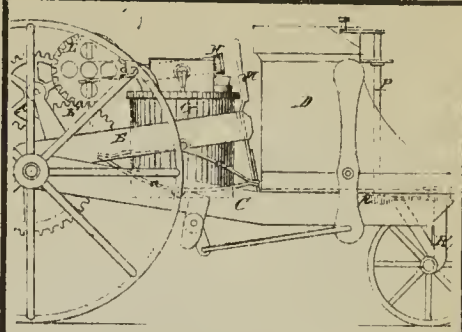
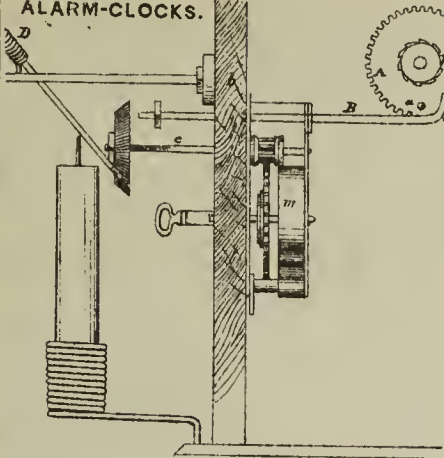


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COMPOSITIONS FOR PRINTERS'
INKING-ROLLERS.

113,230.
W. W. WHITAKER.
GLOVES.



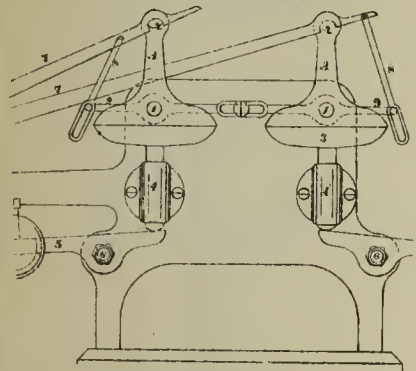
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LIGHTING ATTACHMENTS FOR
ALARM-CLOCKS.



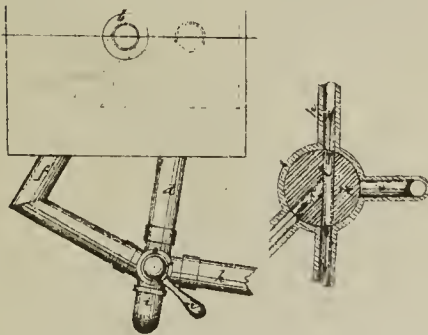
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FOLDING-BEDS.



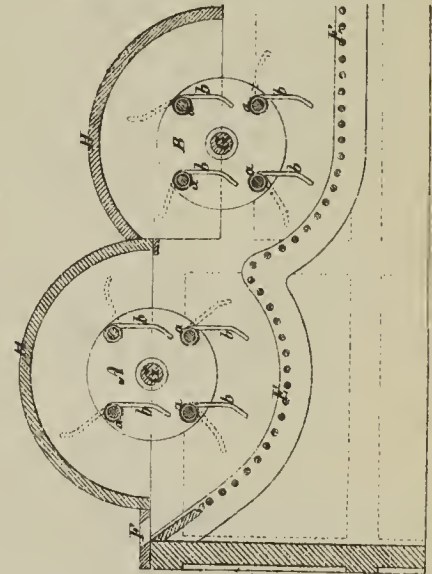
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CUT-OFF VALVE-GEARS.



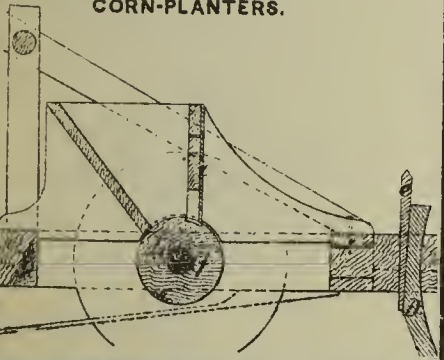
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LIQUID-MEASURES.



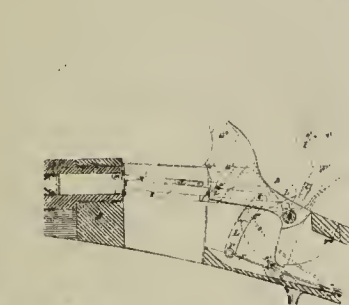
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AMOS B. PALMER.
MACHINES FOR OPENING COTTON



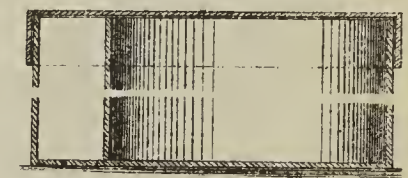
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CORN-PLANTERS.



4,308 K. V. BARNEKOV.
BREECH-LOADING FIRE-ARMS.

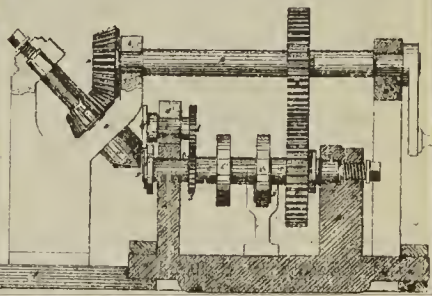


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MUFF AND COLLAR-BOXES.

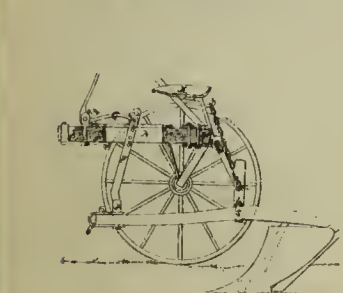


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MANUFACTURE OF STEEL.

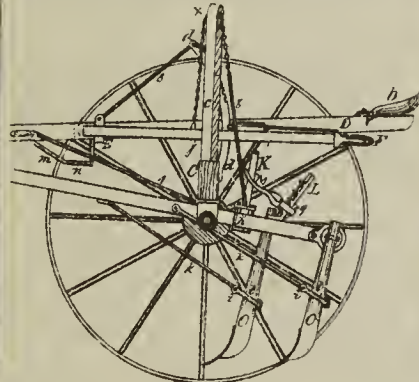
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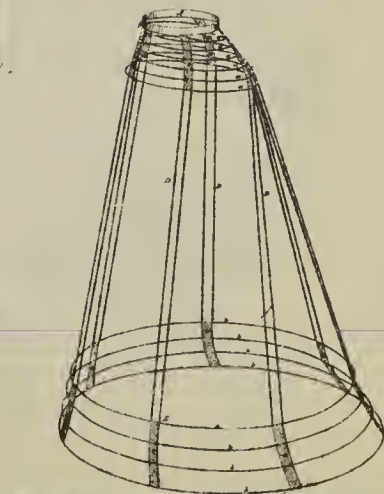
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JAMES H. RYNERSON.
SULKY ATTACHMENTS FOR PLOWS.



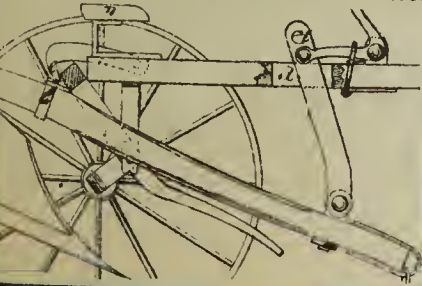
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PETER SAMES CULTIVATORS.



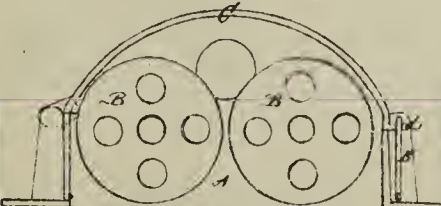
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113,235. JOHN WORRELL.
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SULKY-ATTACHMENTS FOR PLOWS.



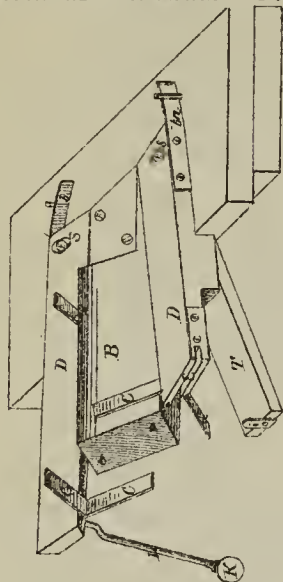
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WILLIAM M. GUSCOM.
GRINDSTONE JOURNAL-BOXES.



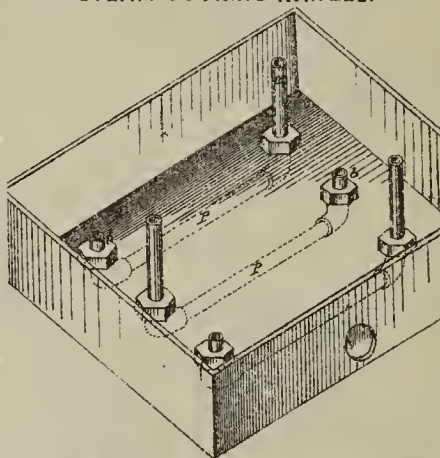
4,311. CHAS. W. HERMANC.
STEAM ROAD-WAGONS.

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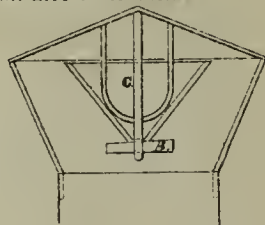
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MACHINES FOR MAKING BOXES.



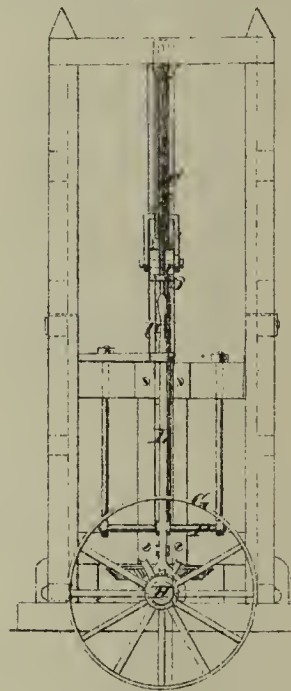
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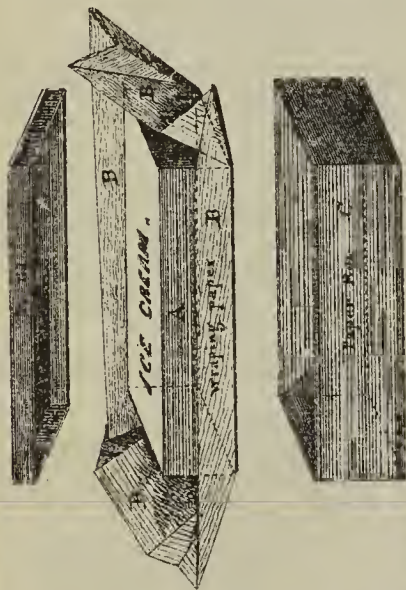
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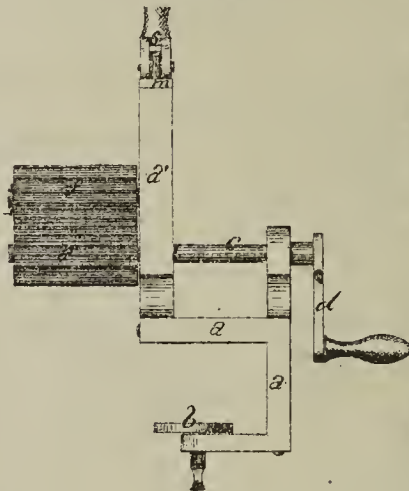
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POWER-PRESSES.



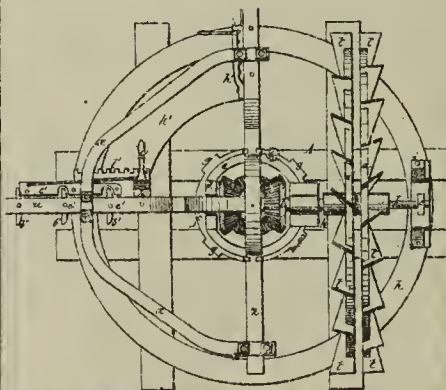
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ICE-CREAMS, WATER-ICES, &c.



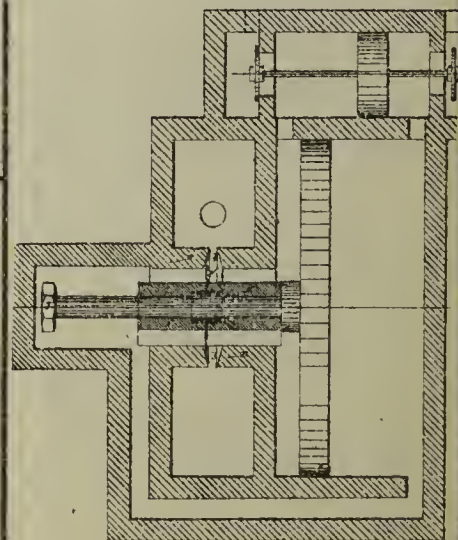
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FLUTING-MACHINES.



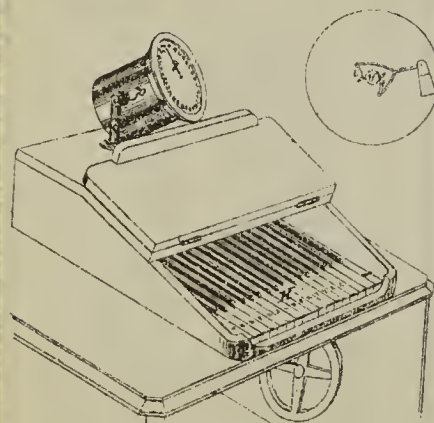
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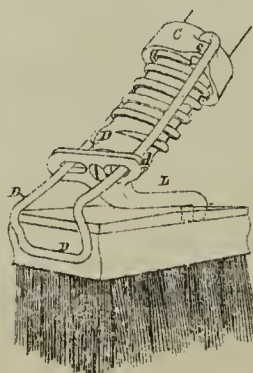
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VALVES FOR STEAM-PUMPS.



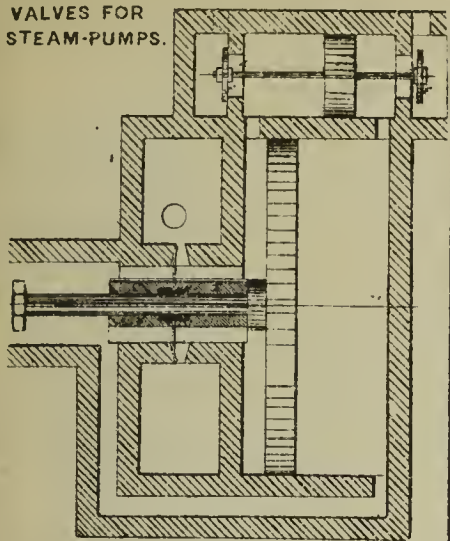
113,240, GEO. L. ANDERS.
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113,244, C. L. W. BAKER.
BRUSH, BROOM, AND MOP-HOLDERS.



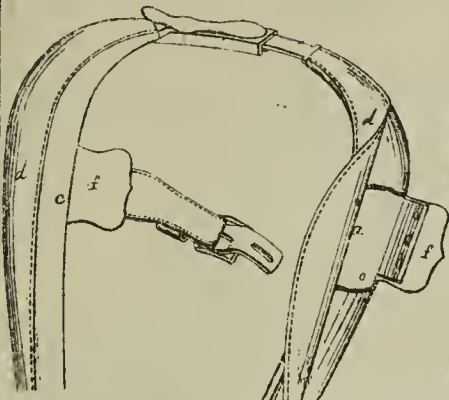
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VALVES FOR
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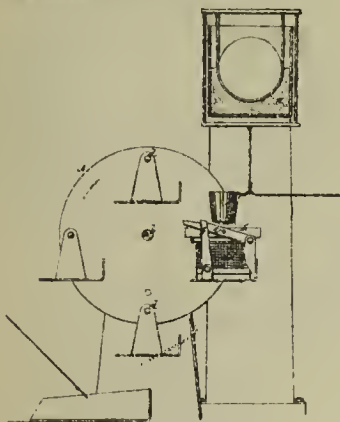
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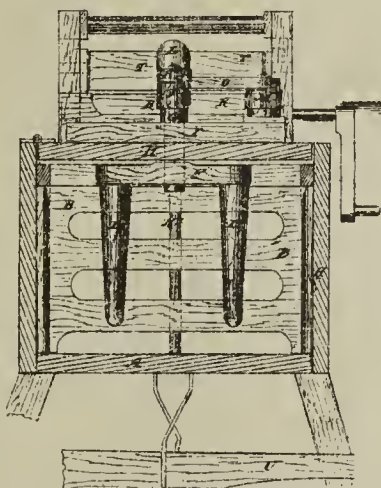
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HORSE-COLLARS AND HAMES.



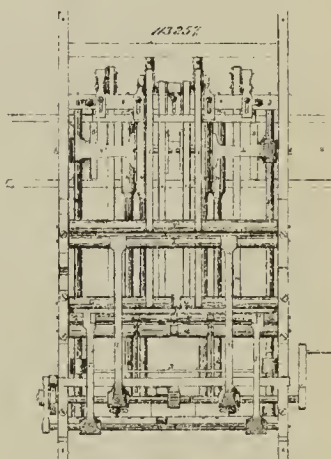
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APPARATUS FOR CASTING.



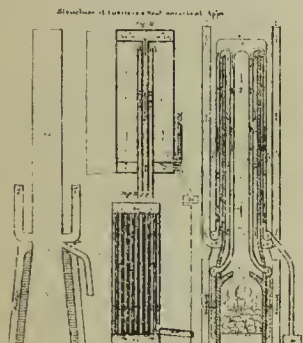
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WASHING-MACHINES.



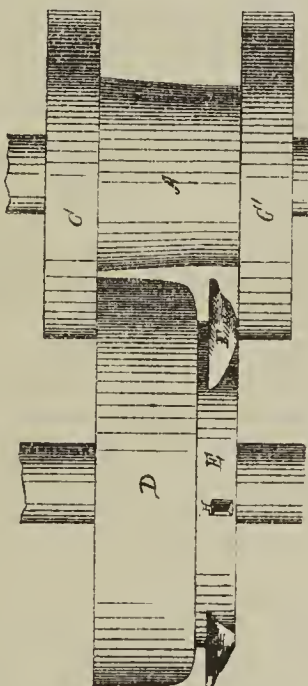
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CYRUS CHAMBERS, JR.
PAPER-CUTTING AND
FOLDING-MACHINES.



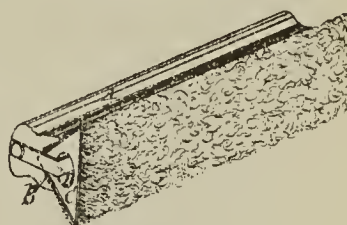
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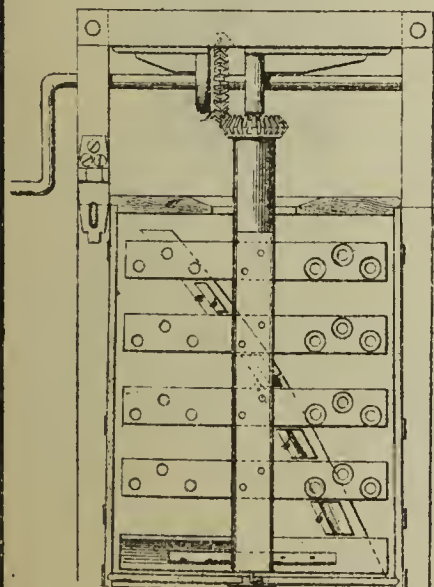
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ROLLS FOR ROLLING HORSESHOE-BARS



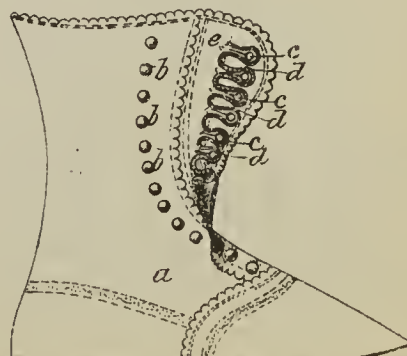
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113,251. WM. E. BUDD.
CHURNS.



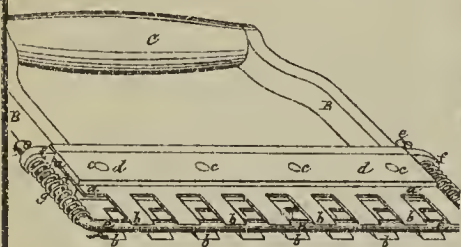
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GAITERS.



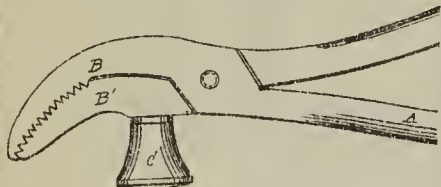
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PAPER-CUTTING AND
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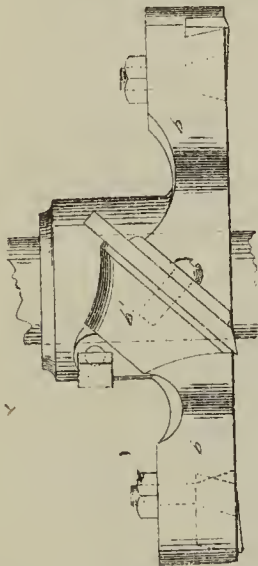
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DEVICES FOR PREPARING BEEF-STEAK
FOR BROILING.



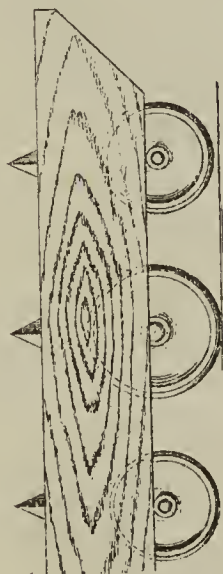
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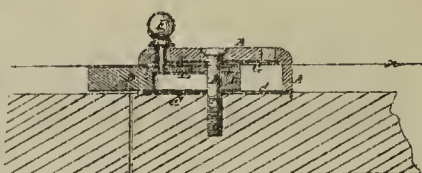
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CHARLES E. MCBETH.
CUTTER-HEADS FOR
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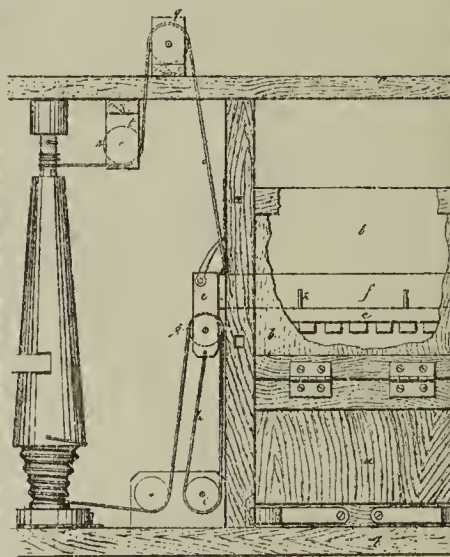
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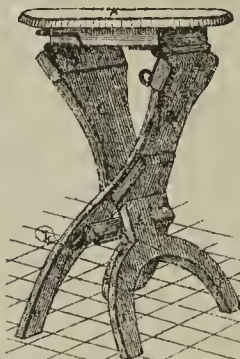
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BOLTS.



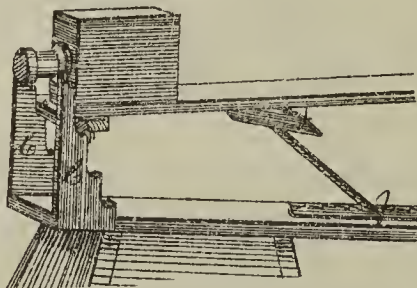
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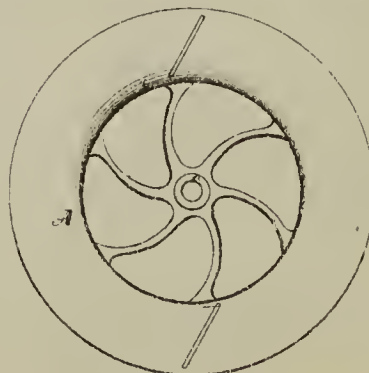
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113,267, AYLETT R. CRIFFIELD
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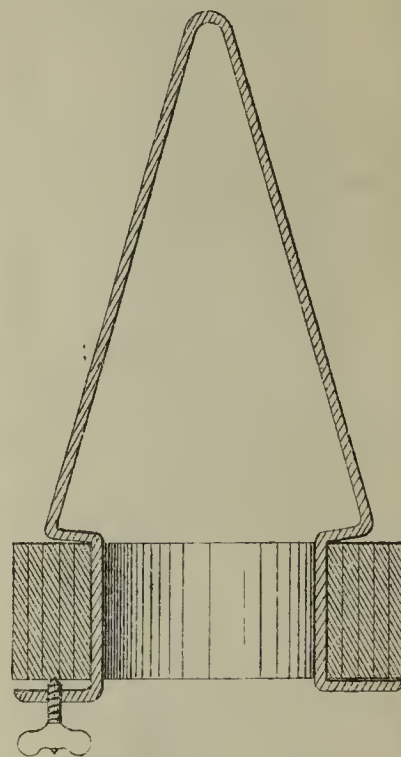


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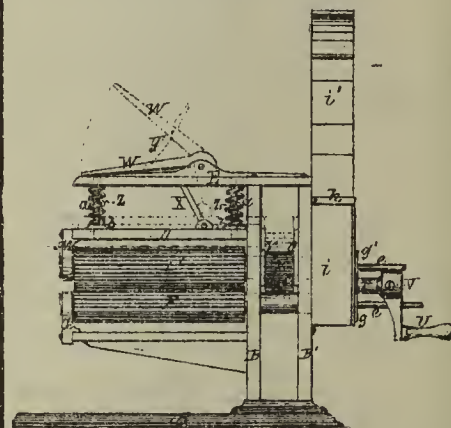


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CHEMICALLY-PREPARED LAMP-WICKS.

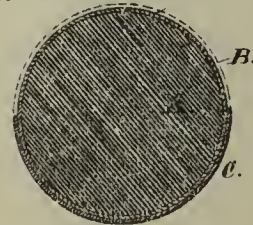
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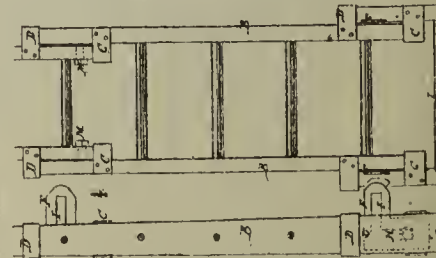
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FLUTING-MACHINES.



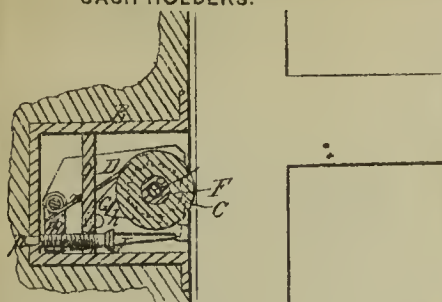
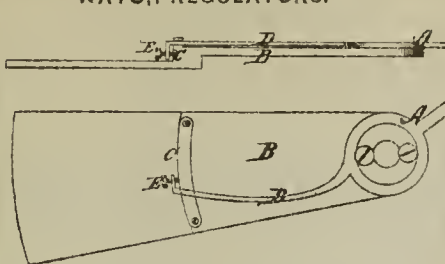
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BENJAMIN P. WAYNE.
ALBERN STONE.
MANUFACTURE OF BILLIARD-BALLS AND
OTHER COMPOSITION ARTICLES.



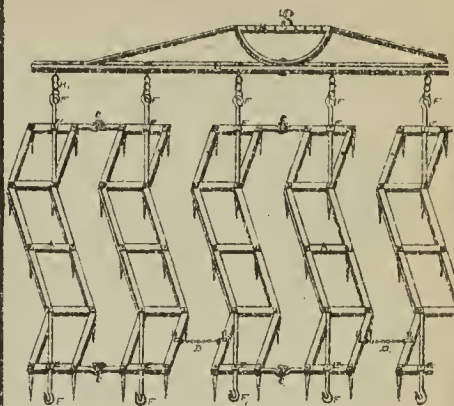
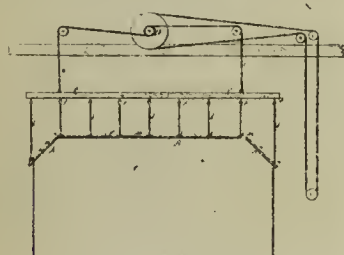
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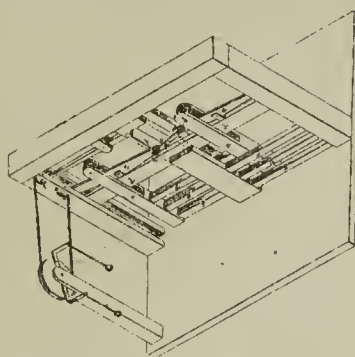
113,274, THEODORE DEMUTH.
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113,275, JOHN F. DINGEE.
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WATCH-REGULATORS.

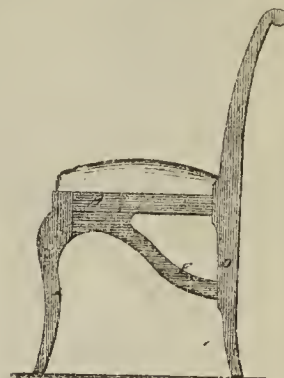
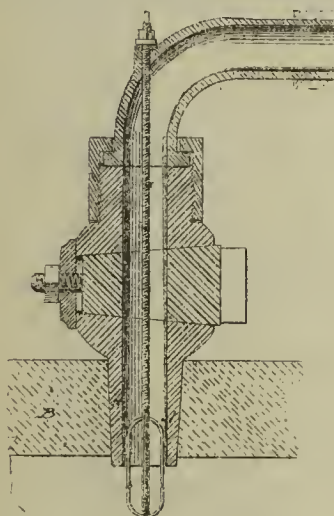
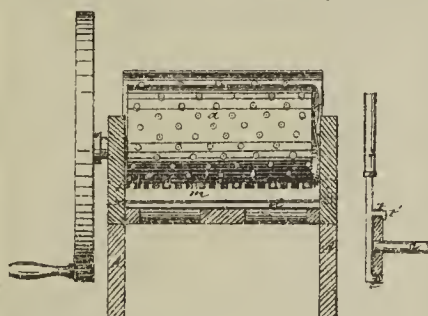
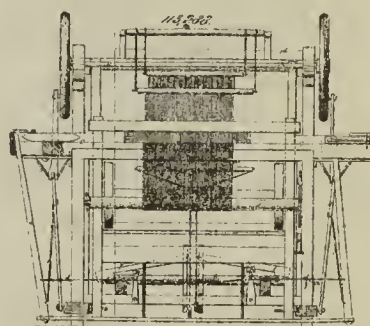
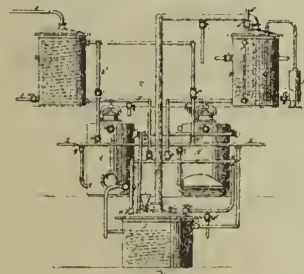
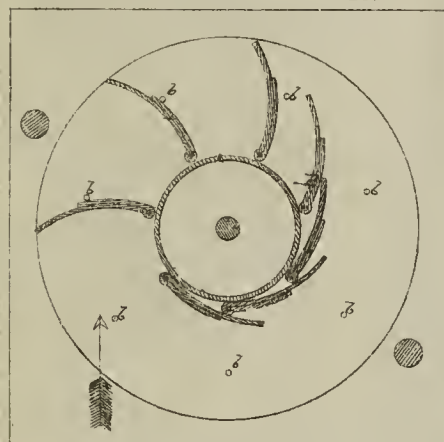
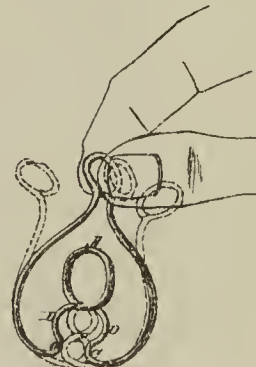
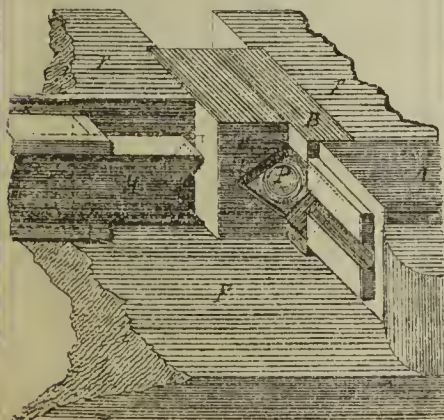
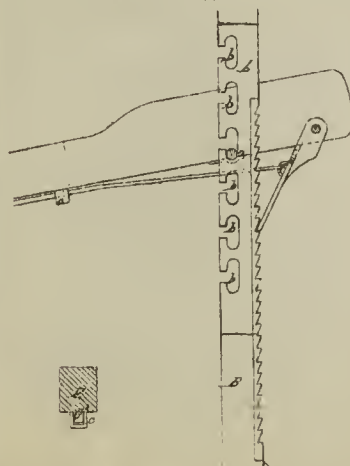
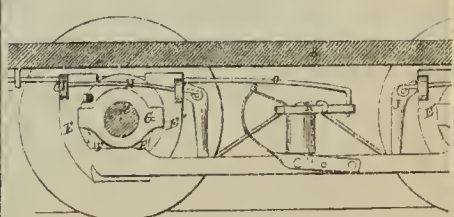
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113,276, OTTO DUBOIS.
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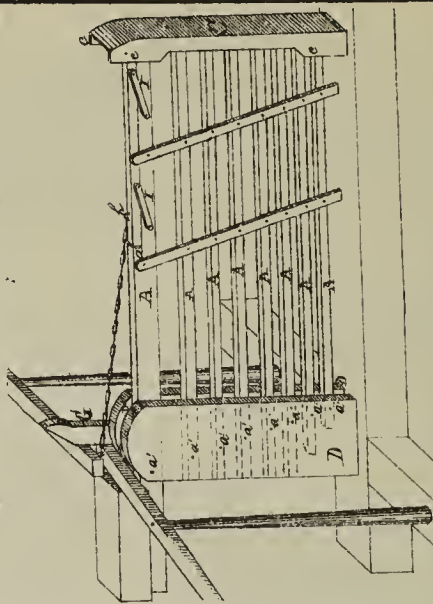
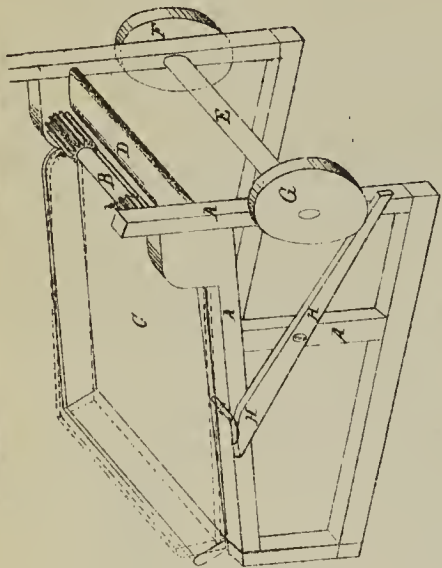
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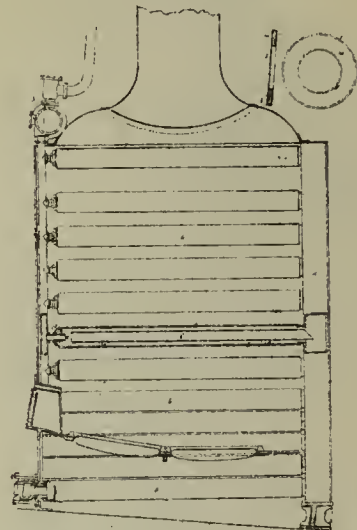
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113,278, JOSIAH J. DUTCHER.
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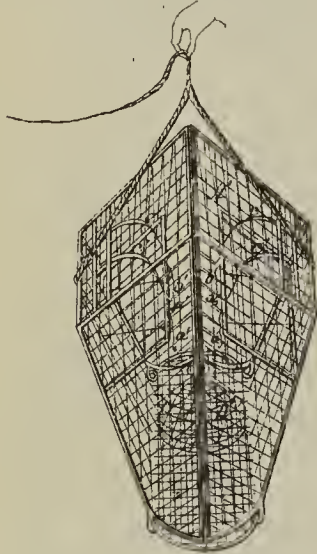
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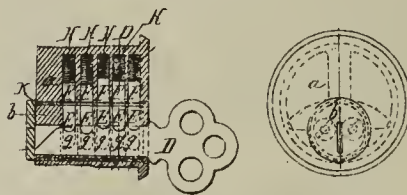
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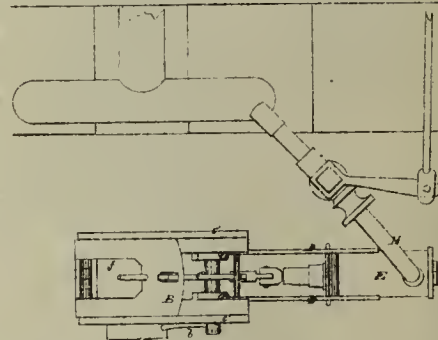
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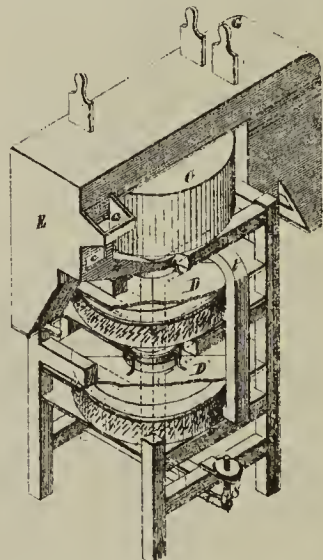
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W. H. TAYLOR.
PIN-LOCKS.



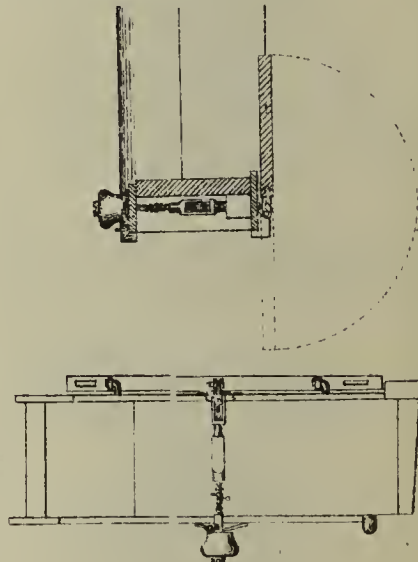
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HAUST-PIPE OF LOCOMOTIVES.



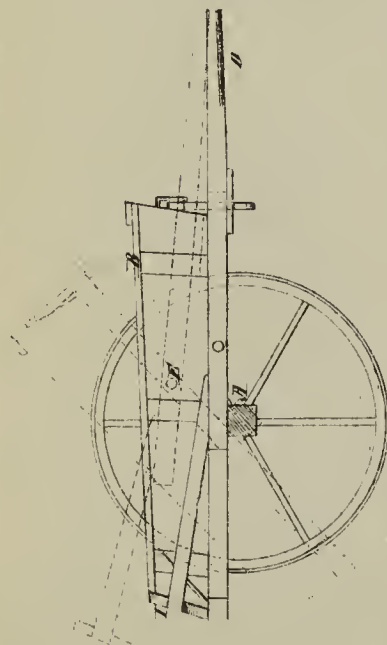
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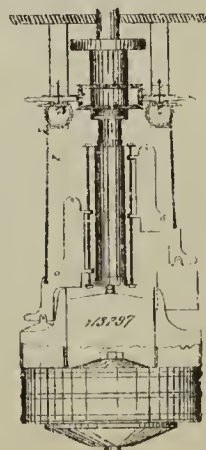
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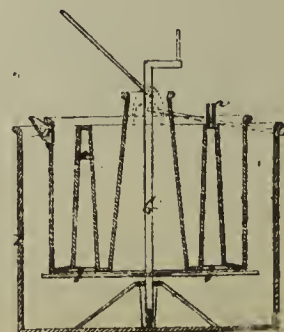
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113,297, WILLIAM M. HOWLAND.
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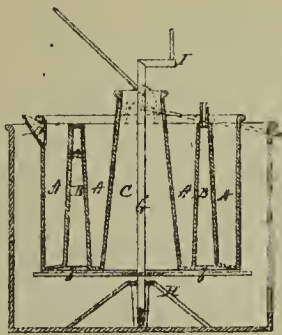


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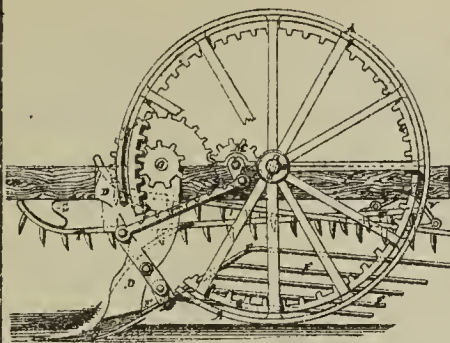


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GATES.

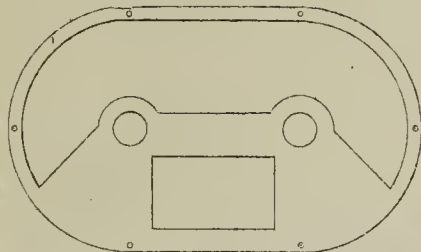
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MILK-COOLERS.



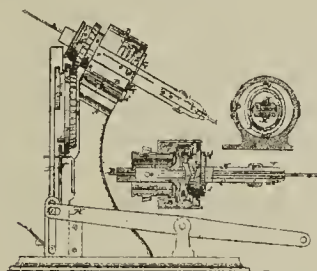
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POTATO-DIGGERS.



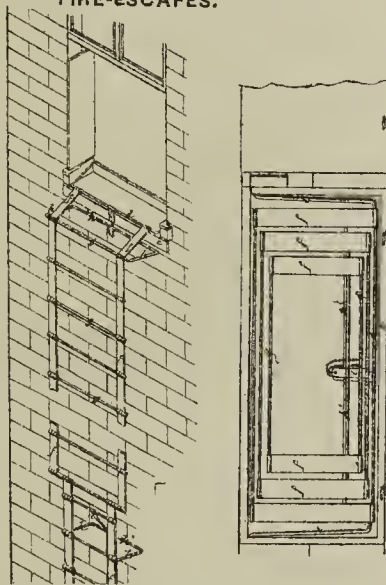
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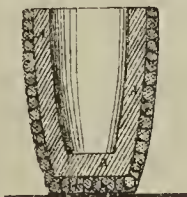
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FEEDERS FOR NAIL-MACHINES.



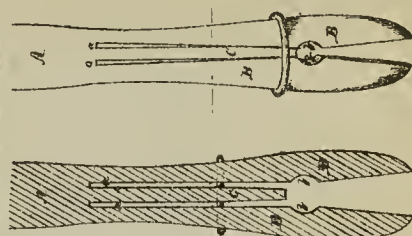
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HARRY HELMLING.
FIRE-ESCAPES.



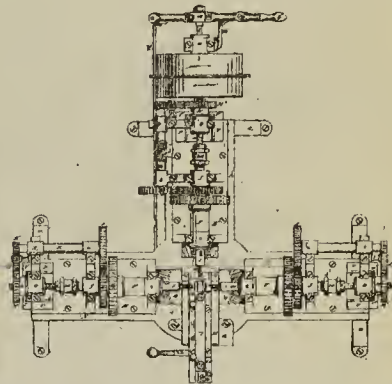
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COVERINGS FOR MELTING-POTS.



113,313. ANDREW B. LIPSEY.
CLOTHES-PINS.

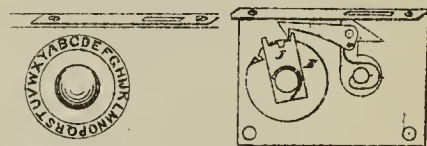


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MACHINES FOR TAPPING GAS AND
WATER-FITTINGS.

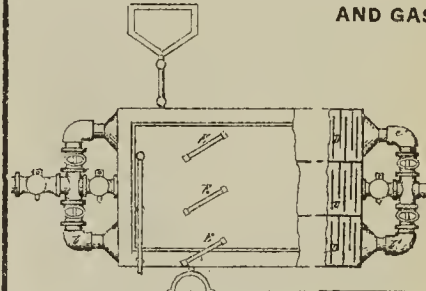


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COMBINATION LOCKS.



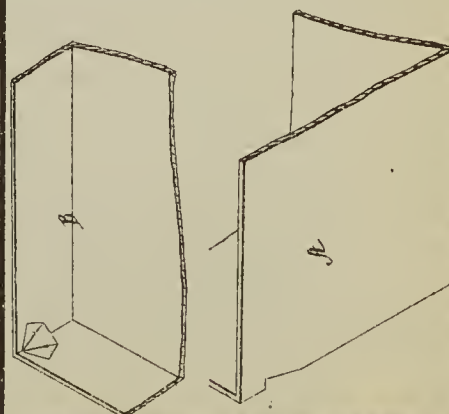
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APPARATUS FOR CARBURETING AIR
AND GAS.



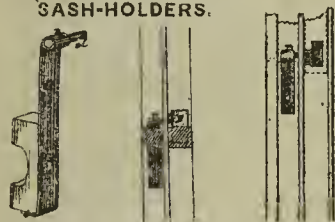
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SWIVEL-PINS FOR TETHERING ANIMALS.



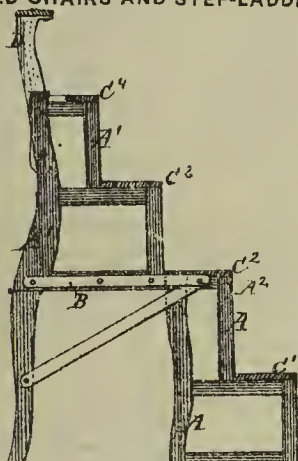
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PAPER BOXES.



113,303. WM. G. JONES.
SAMUEL M. RANKIN.
CASH-HOLDERS.



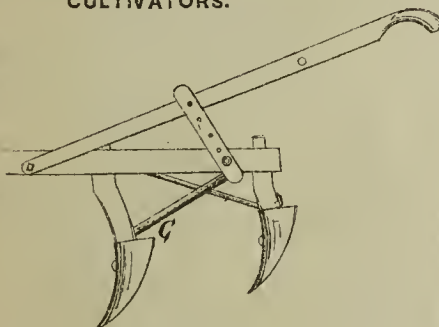
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RASMUS OLSON.
COMBINED CHAIRS AND STEP-LADDERS.



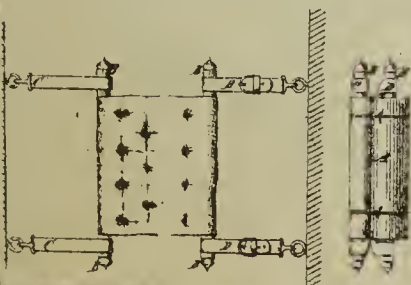
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FOUNTAIN PAINT-BRUSHES.



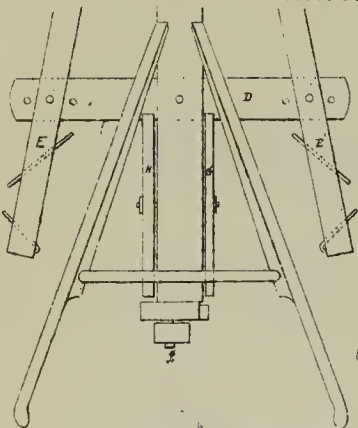
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CULTIVATORS.



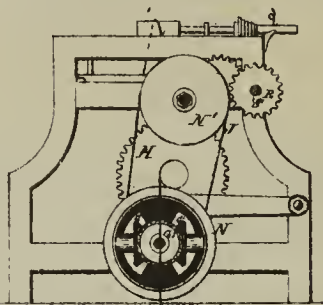
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CHARLES THOENER.
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113,320, C. MARSH, 2ND.
COTTON-SCRAPERS, HILLERS.
AND CULTIVATORS.



113,325, FRANKLIN H. MORRILL.
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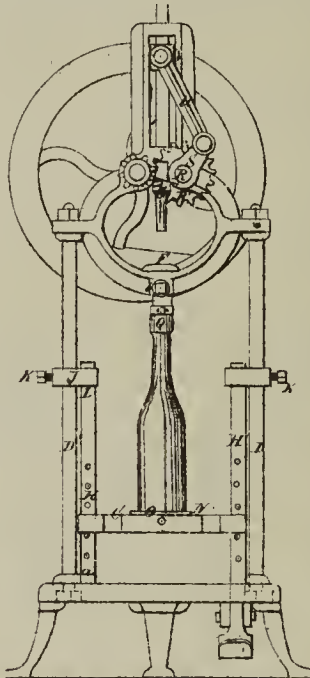


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COMBS.

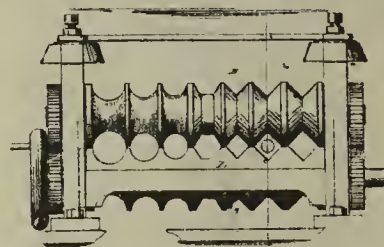


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METALS BY ELECTRO-DEPOSITIONS
FROM SOLUTIONS.

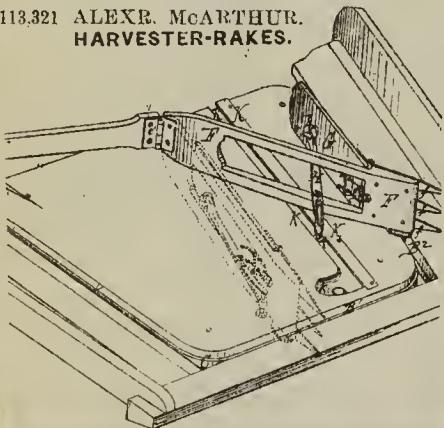
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MACHINES FOR CORKING BOTTLES.



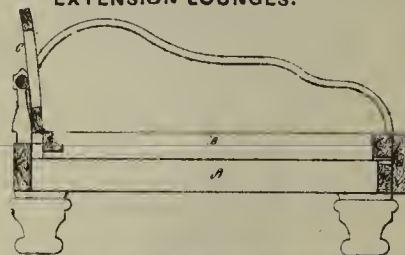
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MACHINES FOR ROLLING HOLLOW
BARS FOR NUTS.



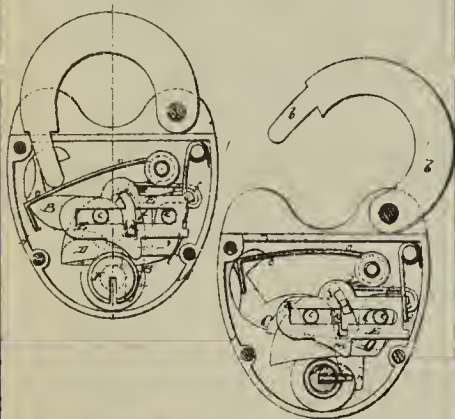
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HARVESTER-RAKES.



113,333, J. S. PAINE.
EXTENSION LOUNGES.

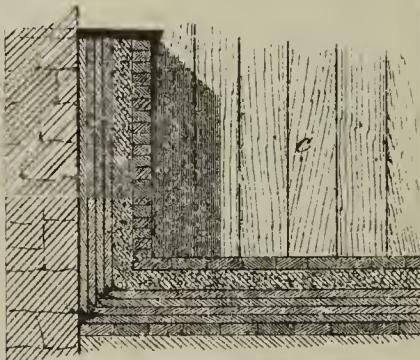


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C. H. MEYER.

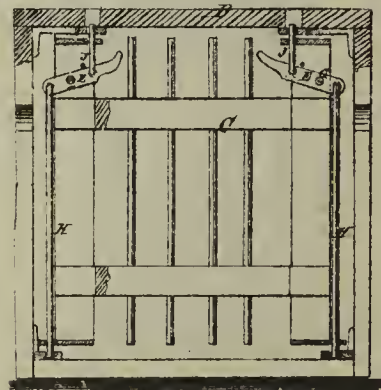


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MODES OF PREPARING PAPER FOR
PHOTOGRAPHIC PURPOSES.

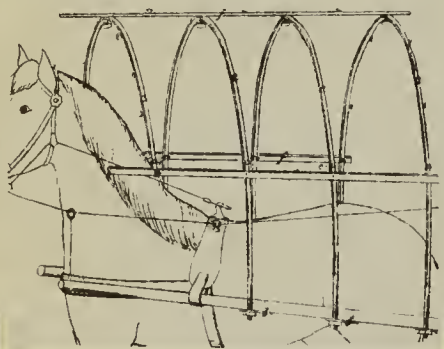
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WATER-PROOF CELLARS.



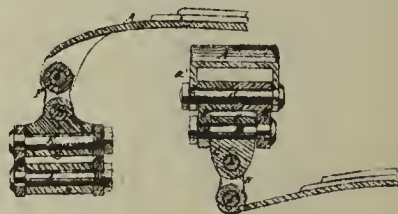
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113,323, SIMON MOFFITT.
AWNINGS FOR ANIMALS.



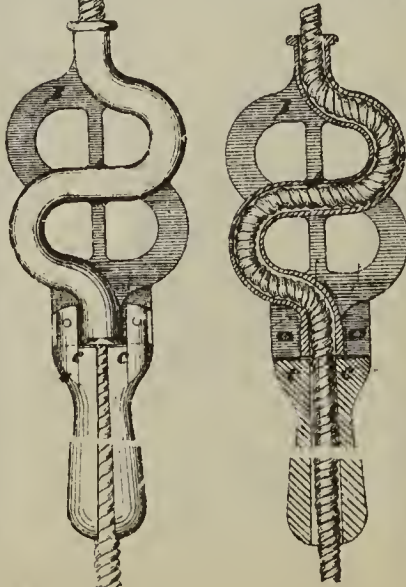
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JOHN L. HEDGES.
PLATFORM-SPRING COUPLINGS.



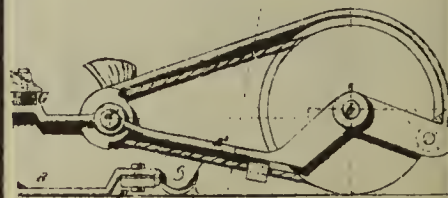
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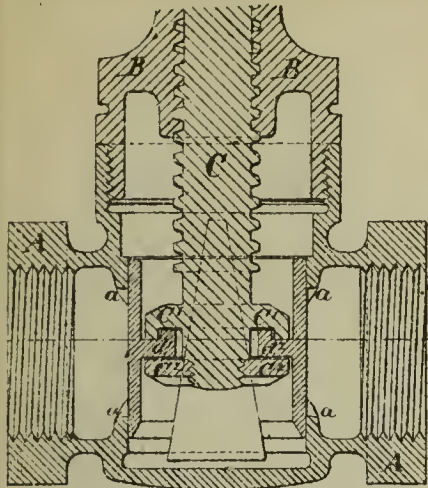
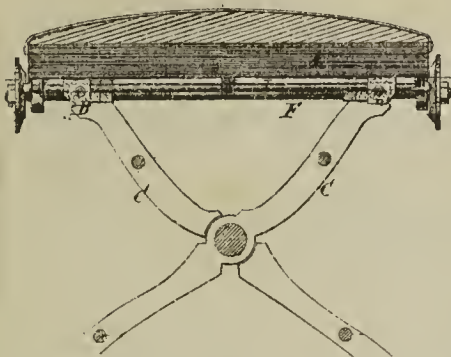
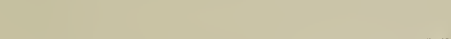
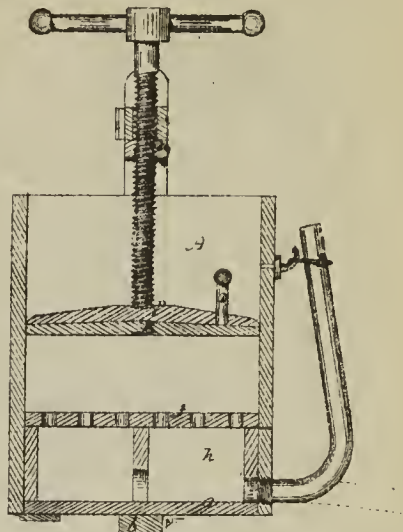
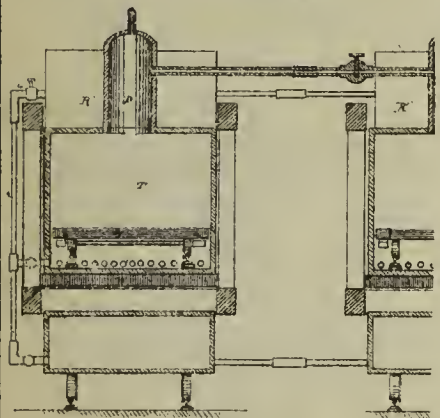
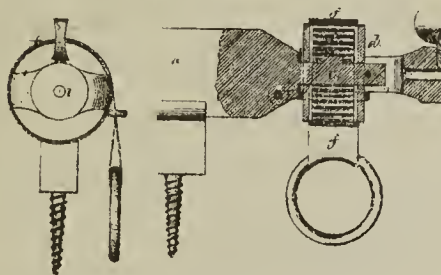
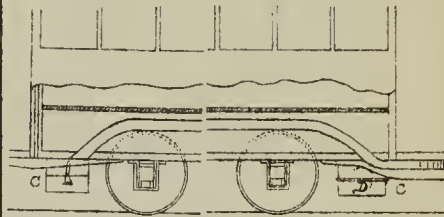
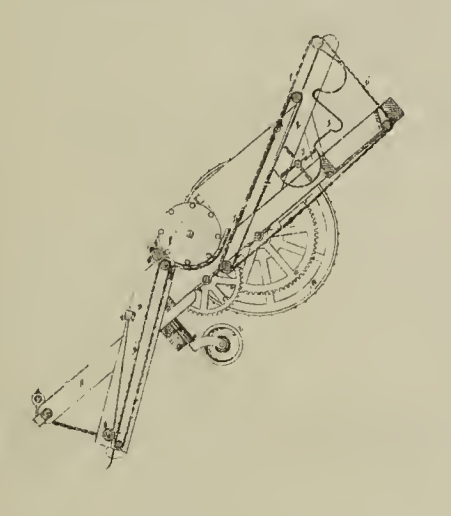
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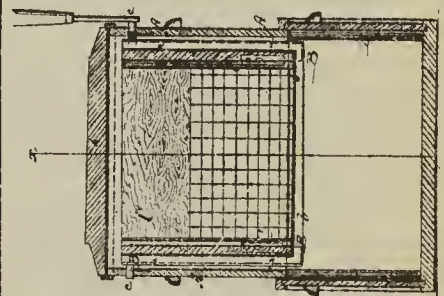
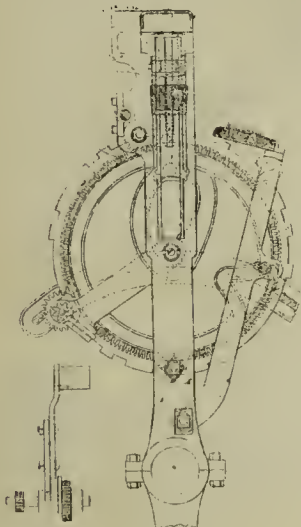
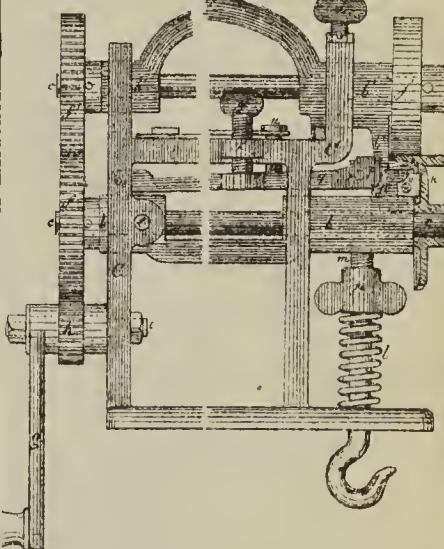
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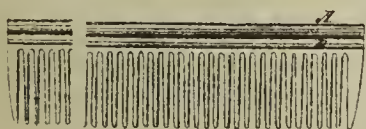
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113,342, LOUIS POSTAWKA.
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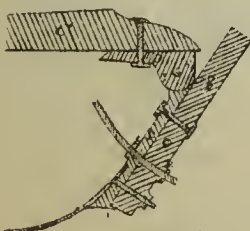
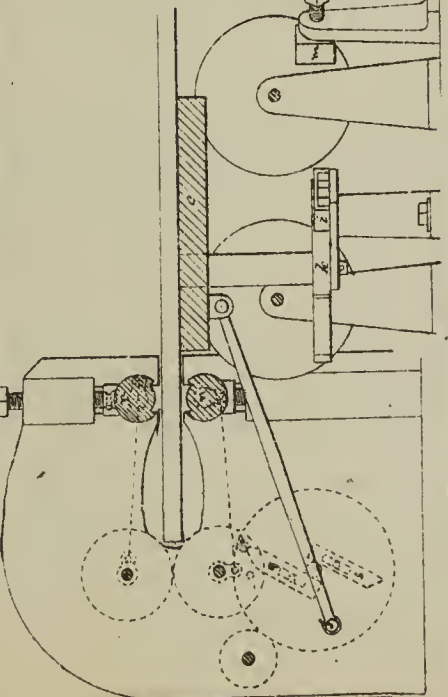
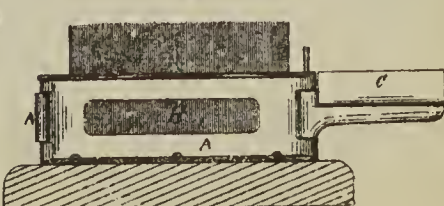
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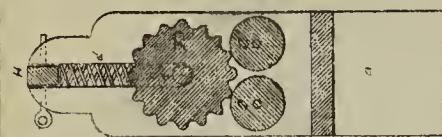
113,339, E. CONSTANTIN PFAFF.
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MACHINES FOR CHANNELING AND
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SHOES.

113,340, LEONCE PICOT. COMBS.

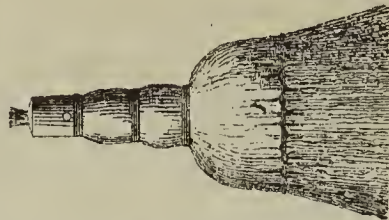
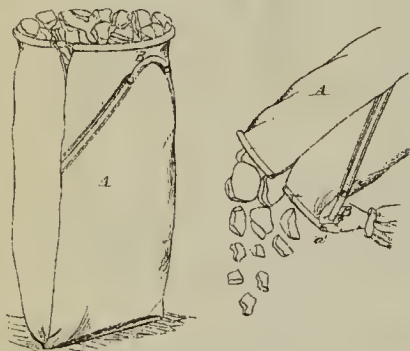
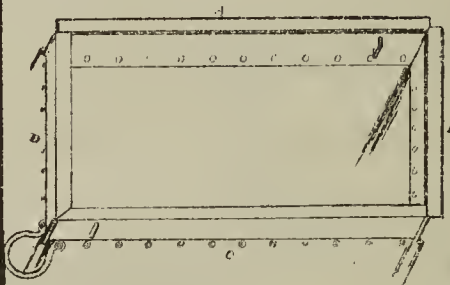
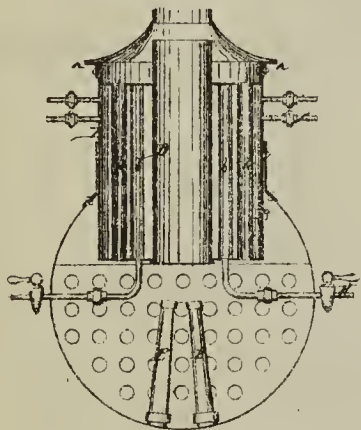


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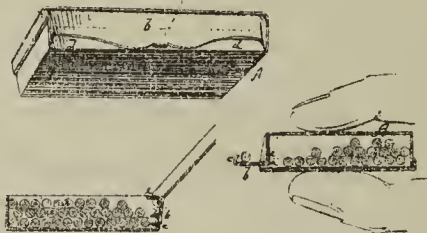
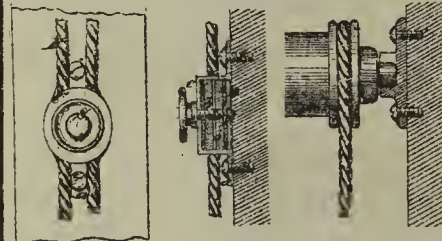
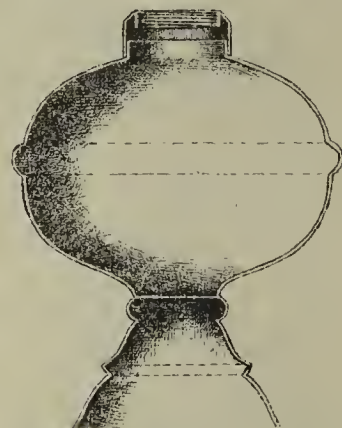
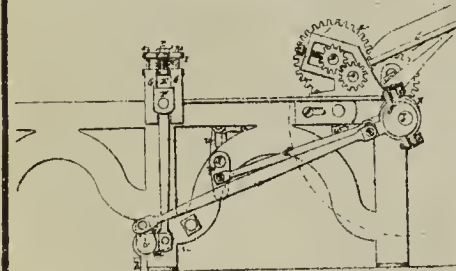
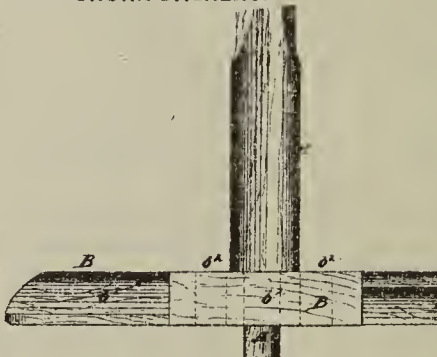
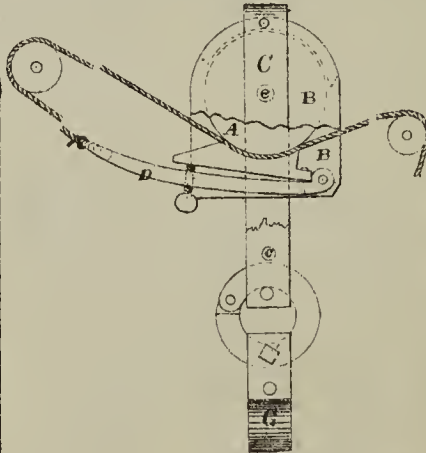
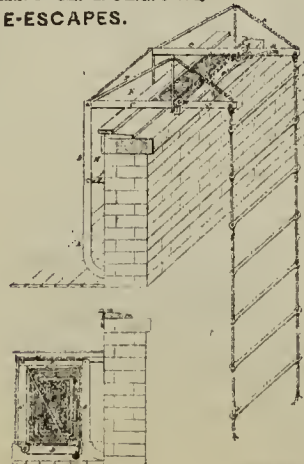
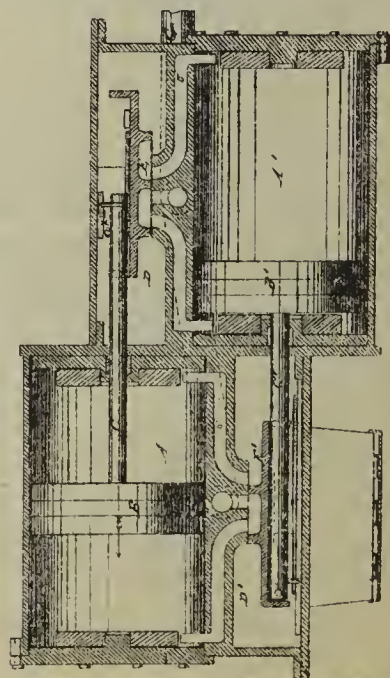
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PRINTING-PRESSES.113,351, AUGUST SAHLSTROM.
FOOT-SCRAPERS.

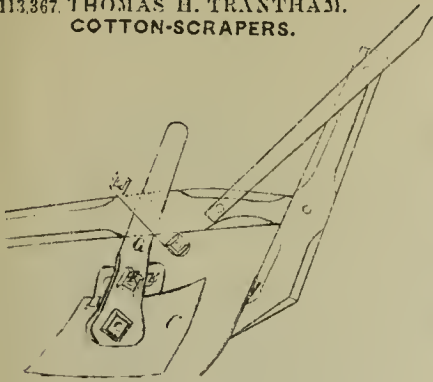
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WASHING AND WRINGING-MACHINES.

113,358. G. STACKPOLE. WHISK BROOMS.

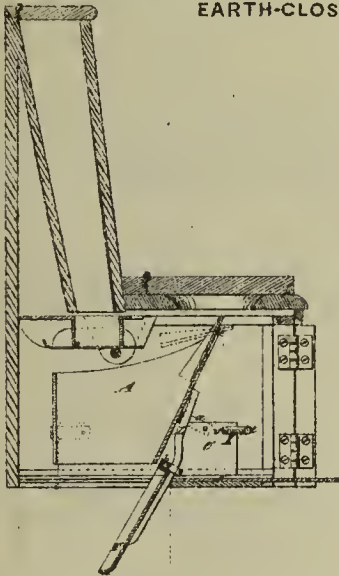
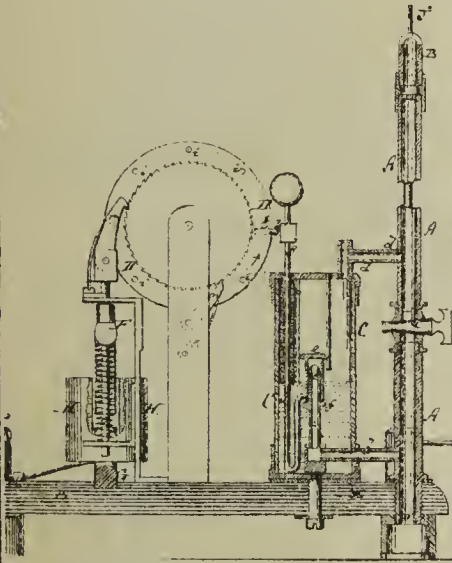
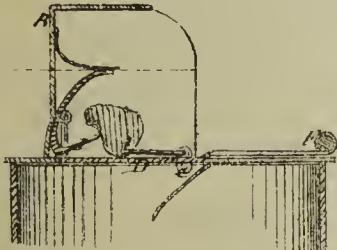
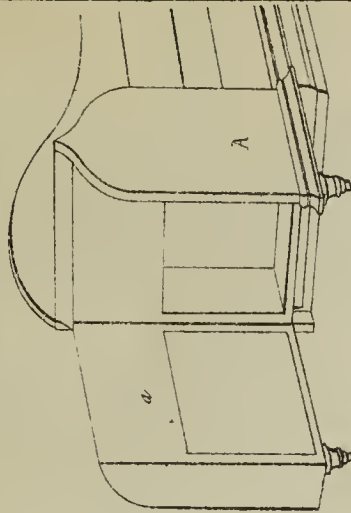
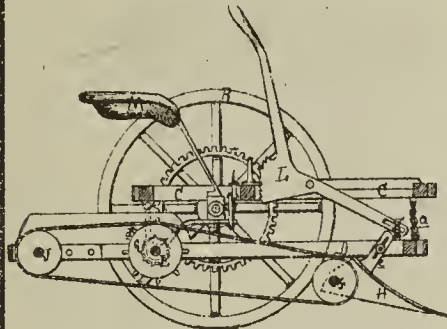
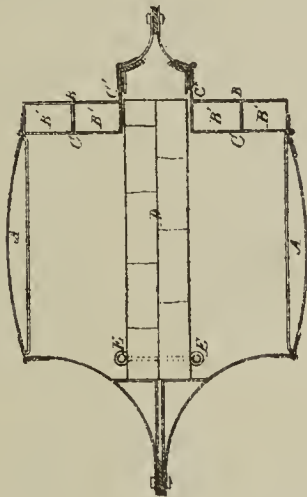
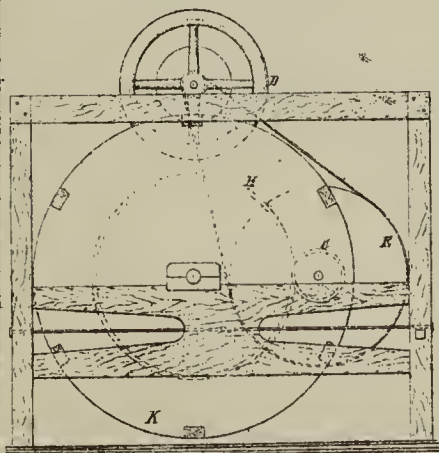
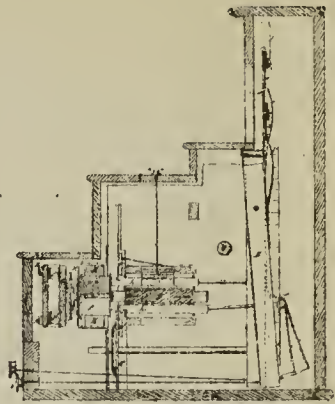
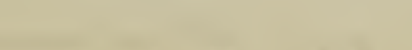
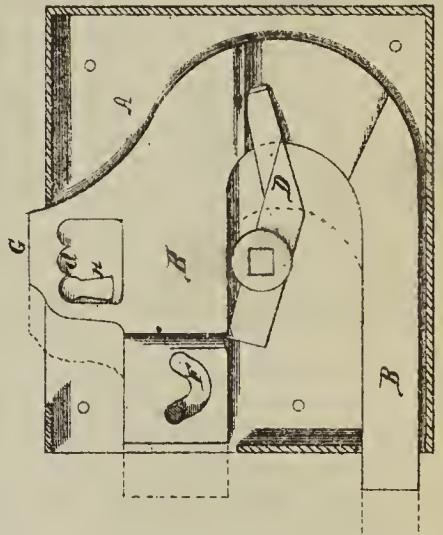
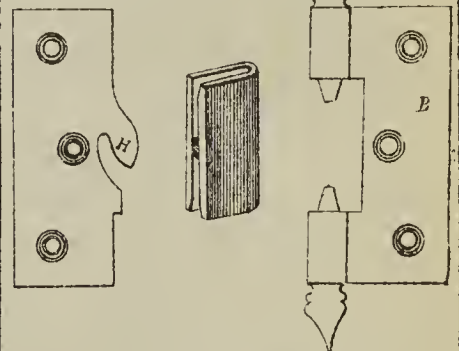
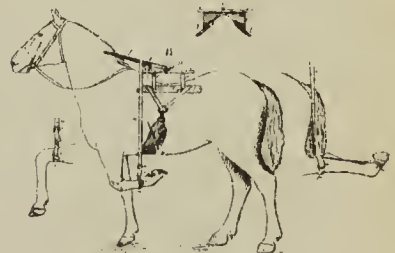
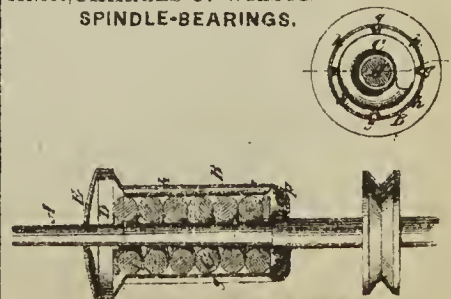
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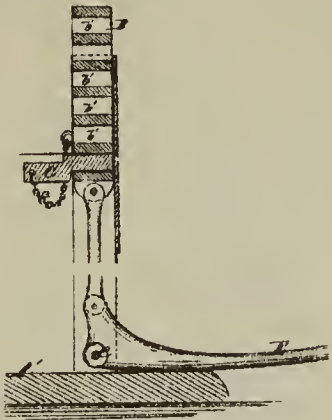
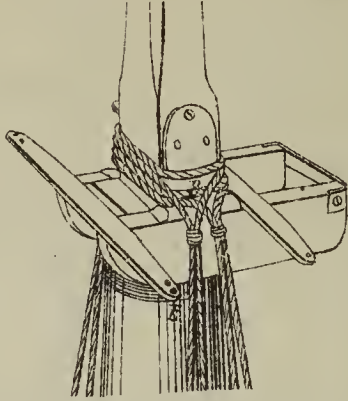
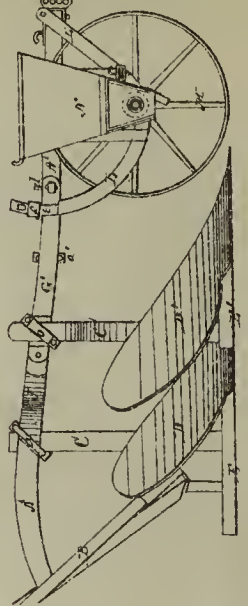
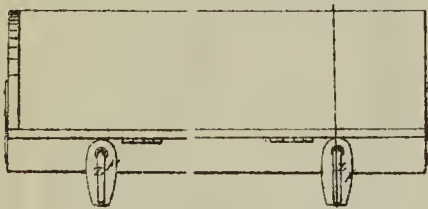
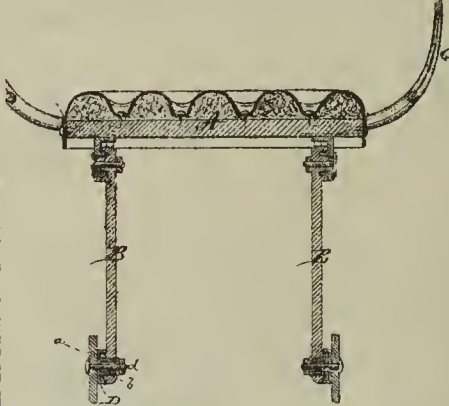
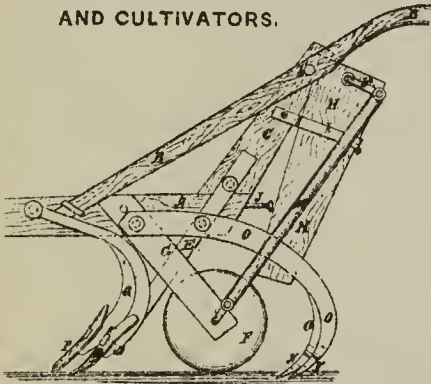
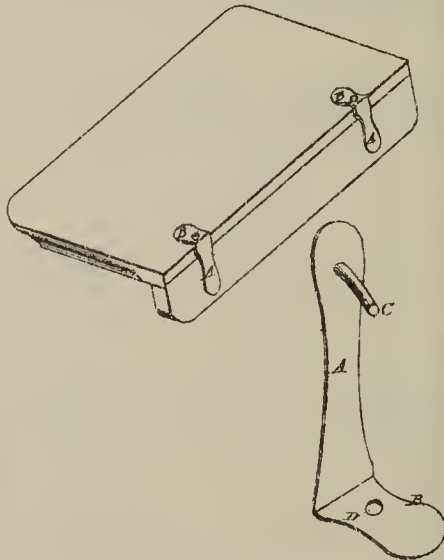
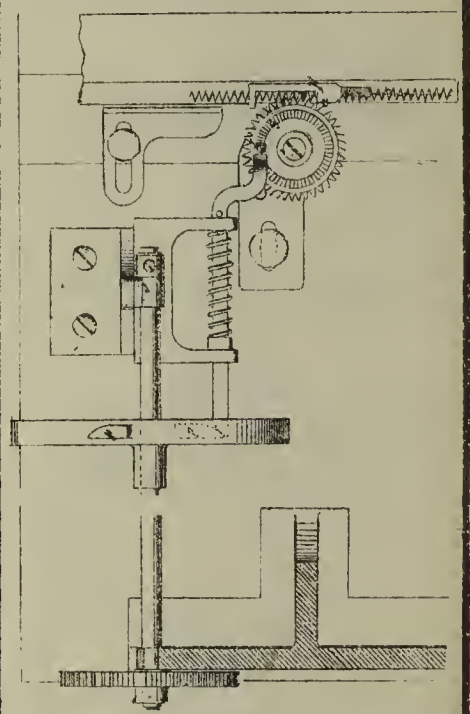
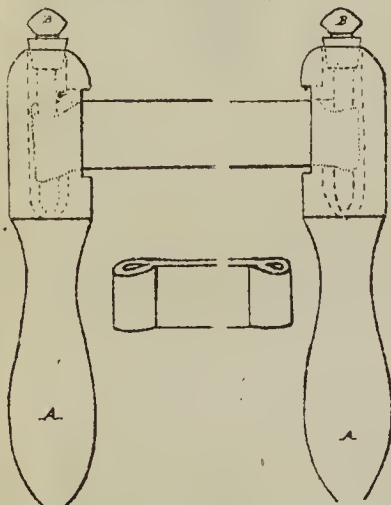
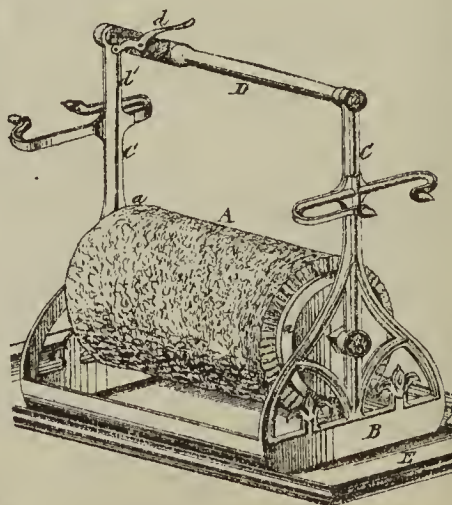
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113,364. NATHAN THOMPSON.
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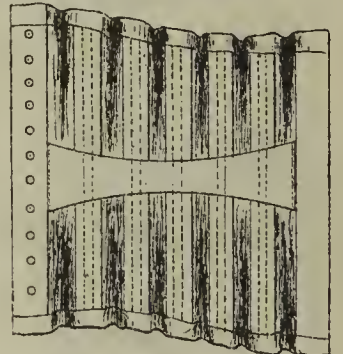
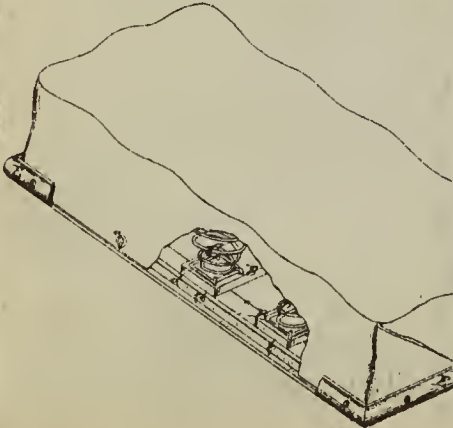
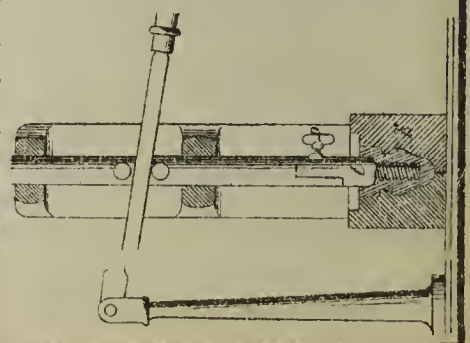
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113,368. S. TRUSCOTT. RUBBER PAINT.

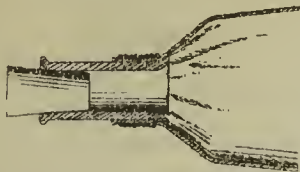
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113,385, LYMAN M. BATES.
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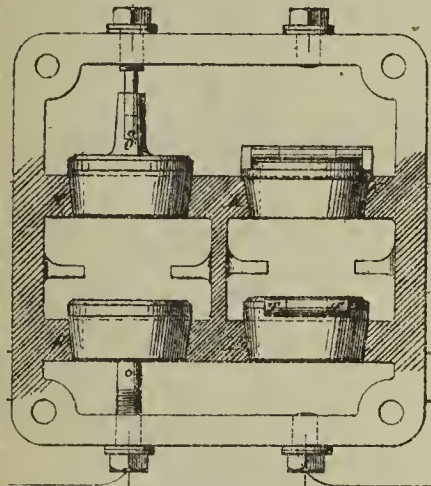
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PACKAGES FOR HYDROCARBONS
AND OTHER LIQUIDS.



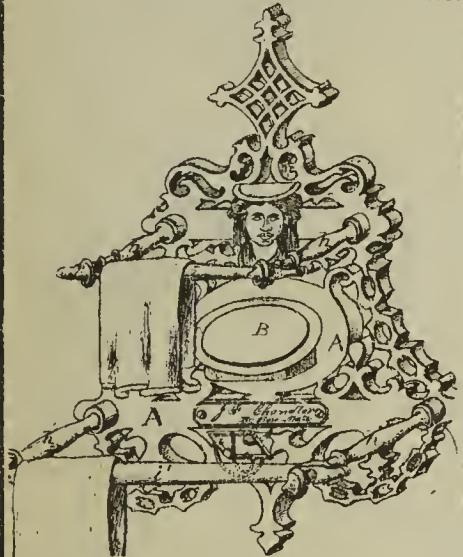
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PACKAGES FOR OYSTERS, CLAMS, &c.

113,396, MORGAN W. BROWN.
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AND OTHER MEATS.

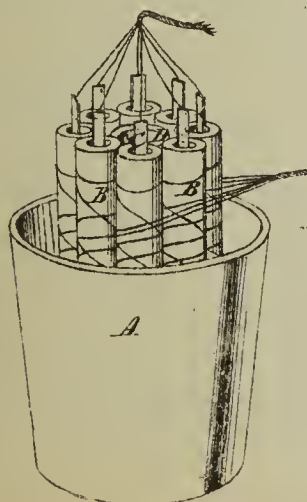
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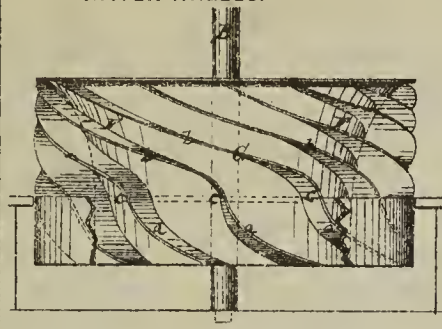
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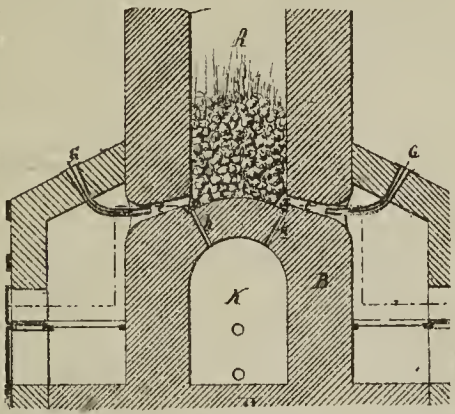
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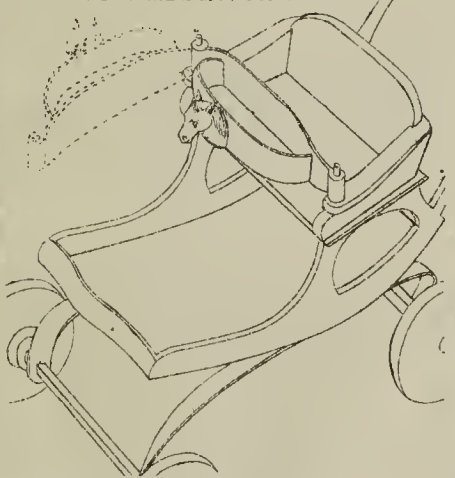
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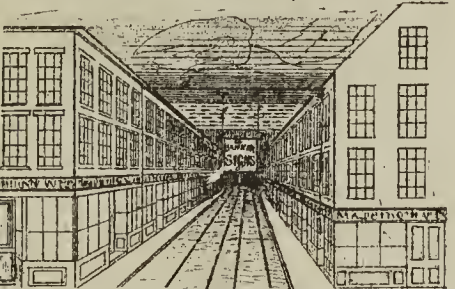
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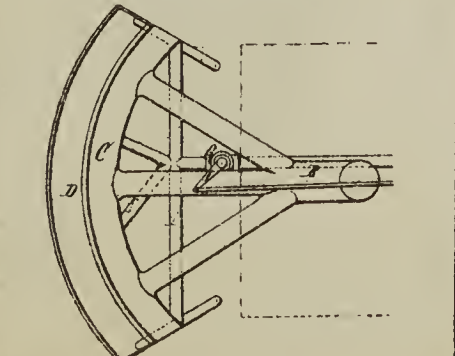
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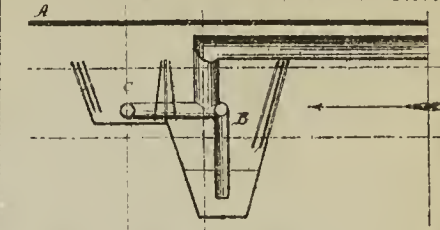
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CHAS. W. CRANE.
SUSPENDING-SIGNS, &c.



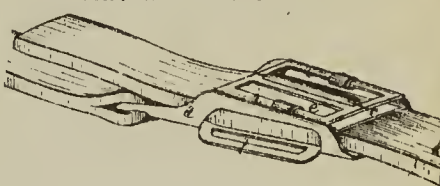
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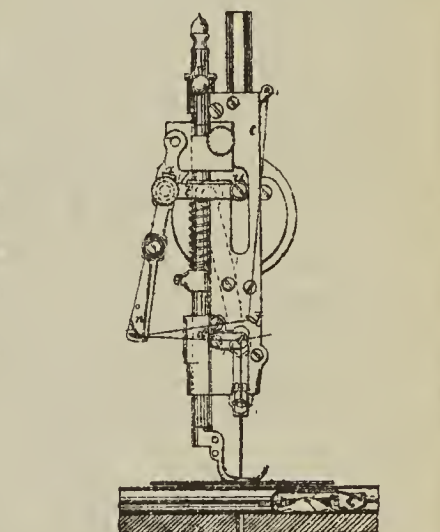
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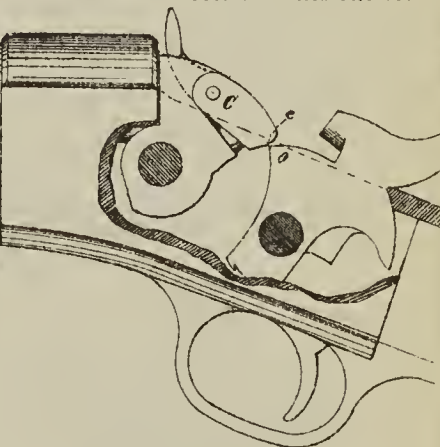
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TRACE-BUCKLES.



113,407, A. S. DINSMORE.
SEWING-MACHINES.



113,408, WILLIAM C. DODGE.
BREECH-LOADING FIRE-ARMS.



113,409, JAMES F. EMERY.
ADVERTISING DEVICES.
ALBANY OFFICE.

Hope Mutual Life Insurance

551 & 553 BROADWAY.
JAMES F. EMERY, General Manager.

Albany, N. Y.

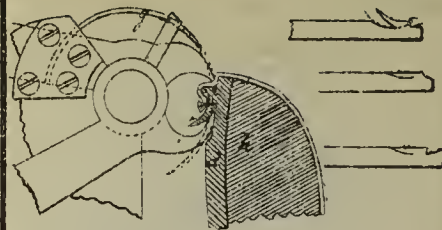
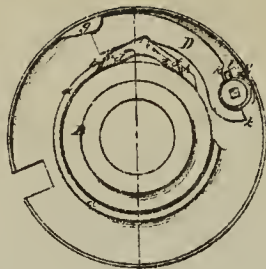
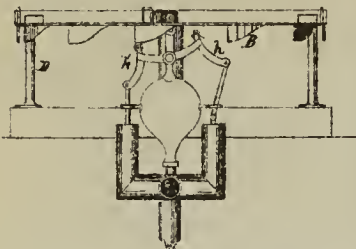
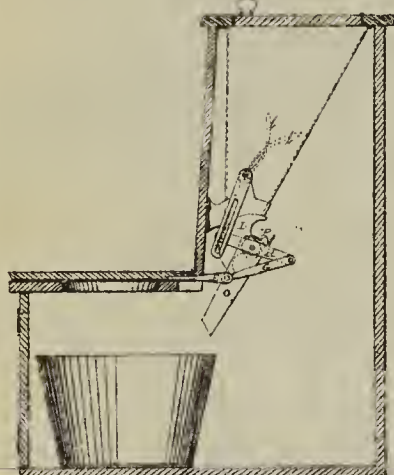
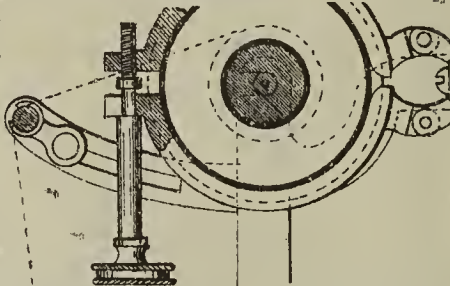
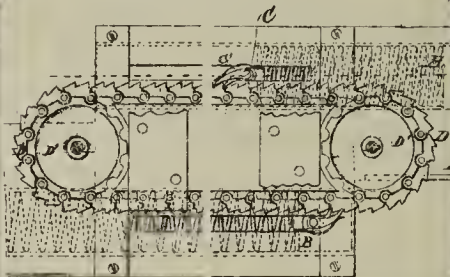
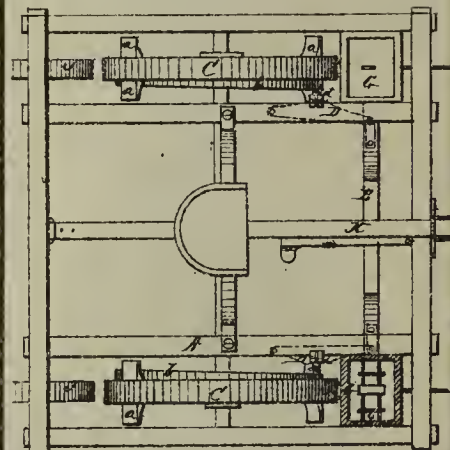
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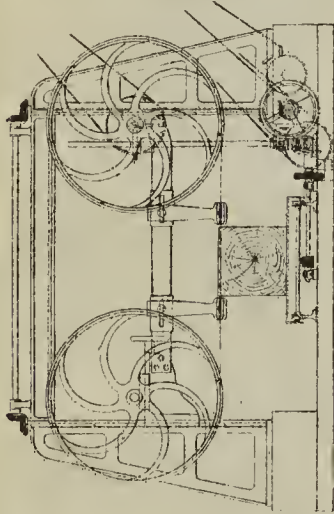
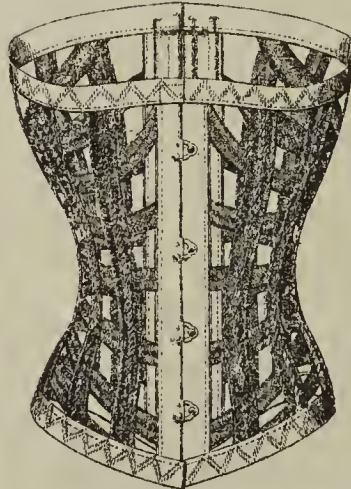
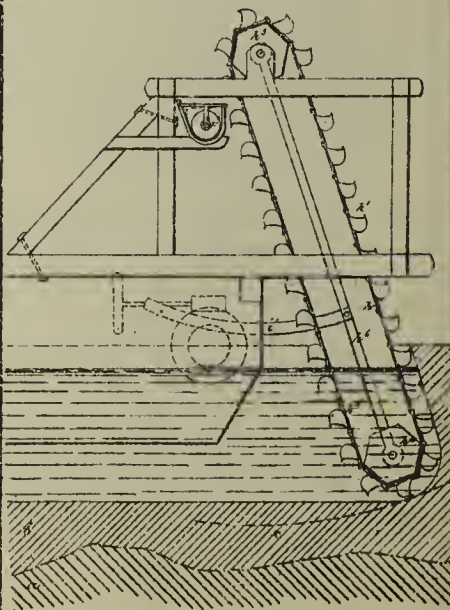
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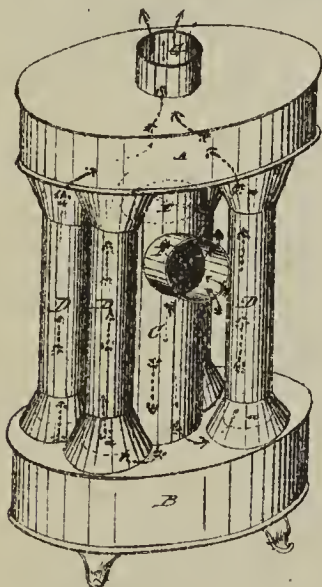
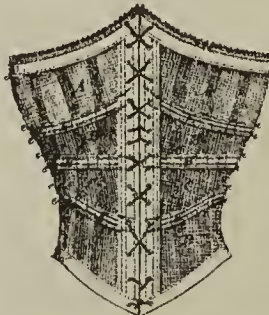
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113,410, THOMAS ADDIS EMMET EVANS.
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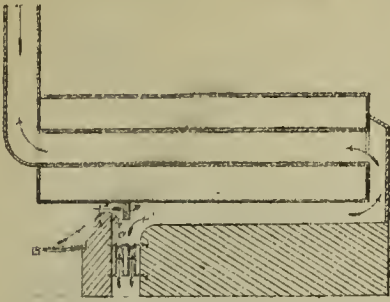
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113,418, THOS. S. GILBERT.
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113,413, CHAS. FISHER. STOVE-DRUMS.

113,419, THOS. S. GILBERT.
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113,424, JOHN C. GRIPP.
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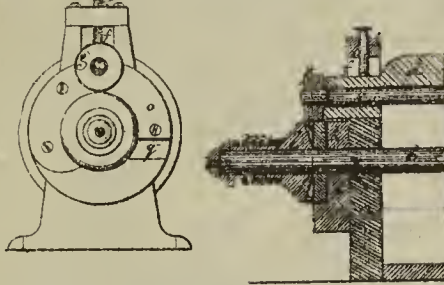
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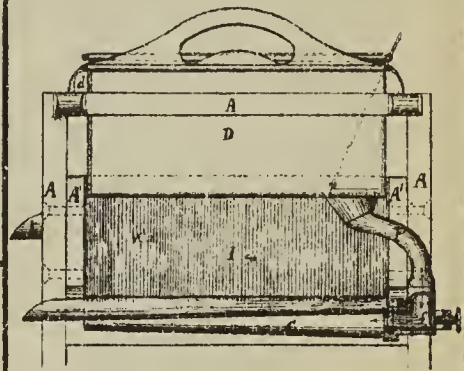
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D. H. NATION.
COOKING-STOVES.



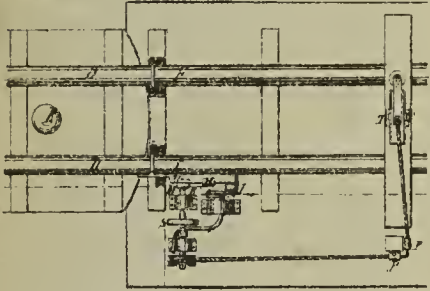
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JOS. F. SARGENT.
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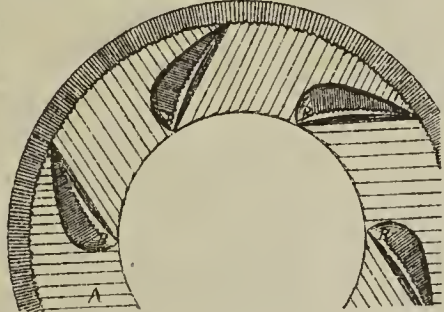
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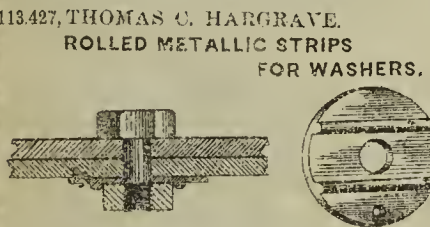
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RAILWAY-BRIDGE SIGNAL APPARATUS.



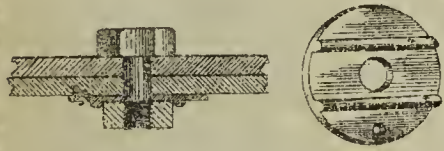
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GRINDING-PLATES.



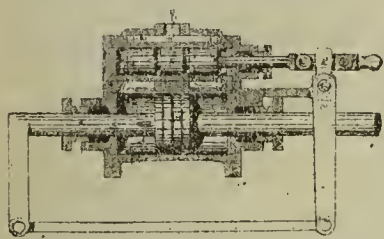
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PHOTOGRAPH-PICTURES.



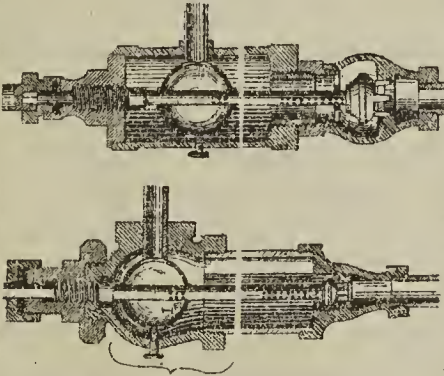
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FOR WASHERS.



113,428, WILLIAM Z. HATCHER.
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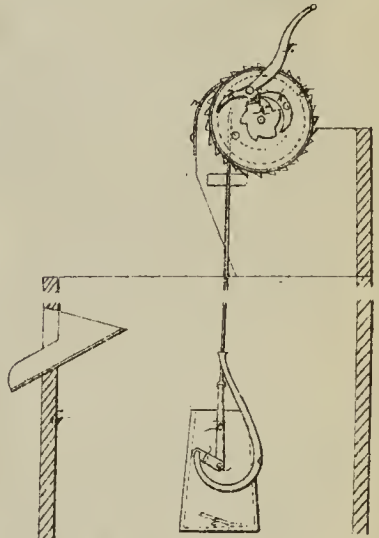


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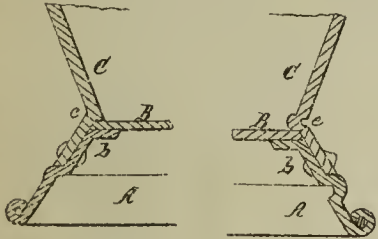


113,439, EDGAR C. MERRILL.
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AND ARTIFICIAL STONE.

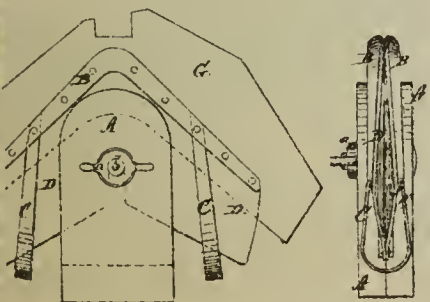
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WATER FROM WELLS.



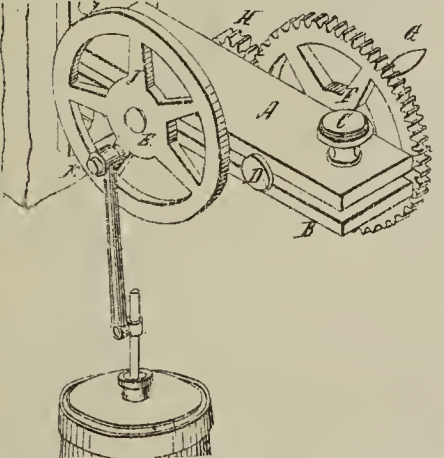
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COAL-SCUTTLES.



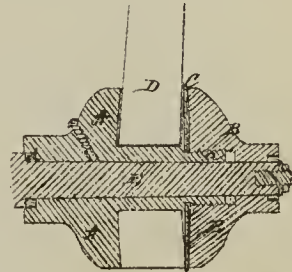
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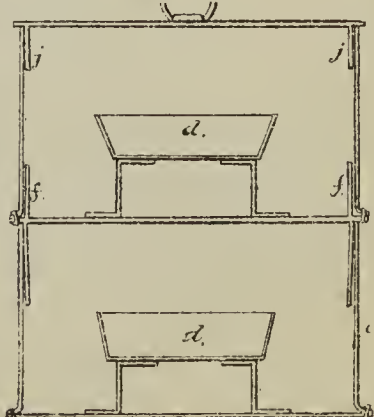
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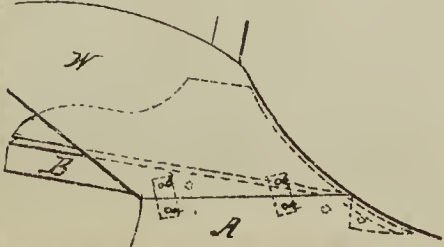
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WHEELS FOR VEHICLES.



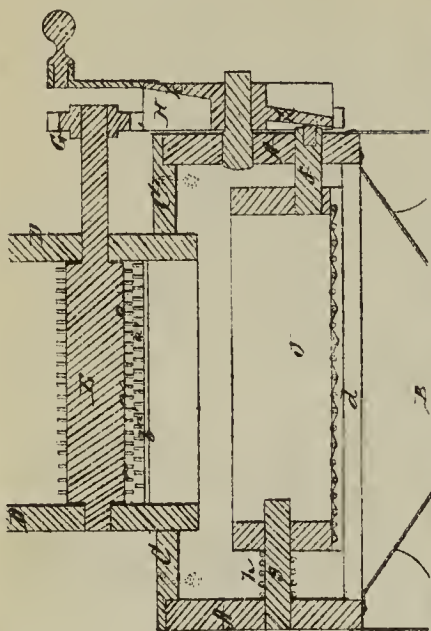
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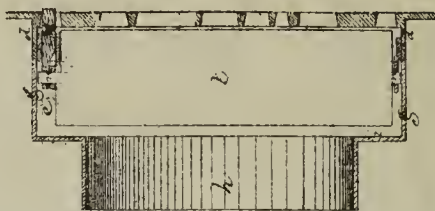
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113,443, OLIVER D. MYERS.
FLOUR-SIFTERS.



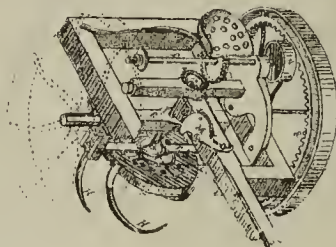
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HOT-AIR REGISTERS.



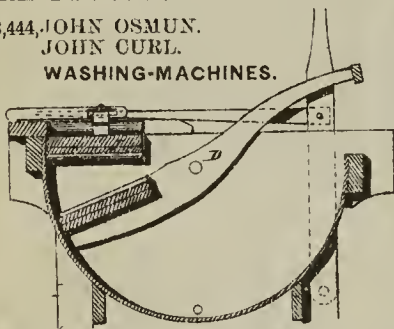
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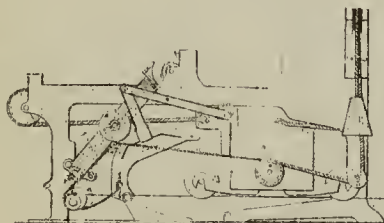
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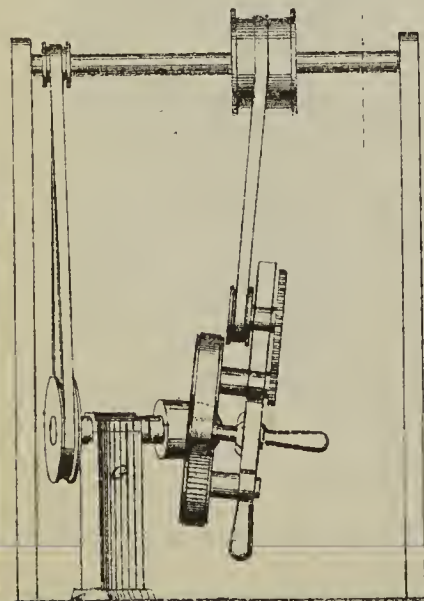
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JOHN CURL.
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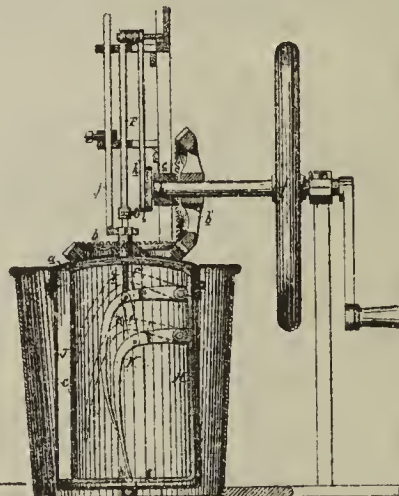
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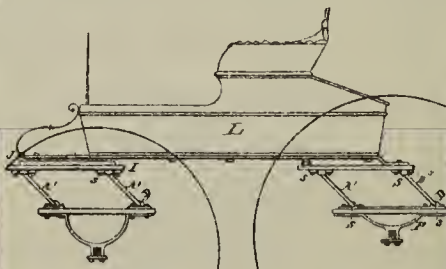
113,446, A. PELISSE.
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113,450, JOHN FRANKLIN ROTE.
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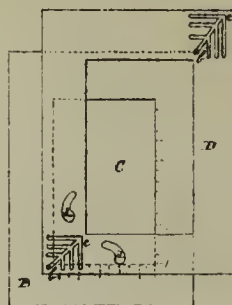
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113,452, DANIEL SAYLOR.
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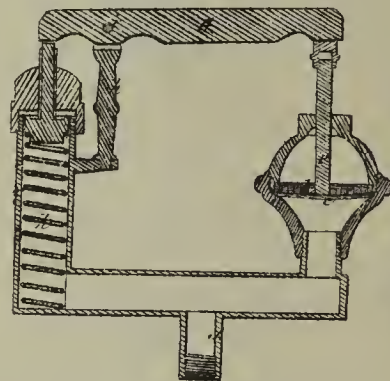


113,453, ADOLPH J. SCHAFHIRT.
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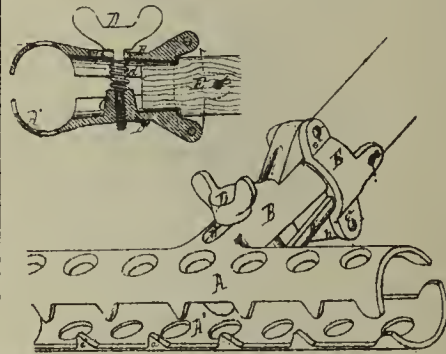
113,454, AUGUSTUS T. SCHMIDT.
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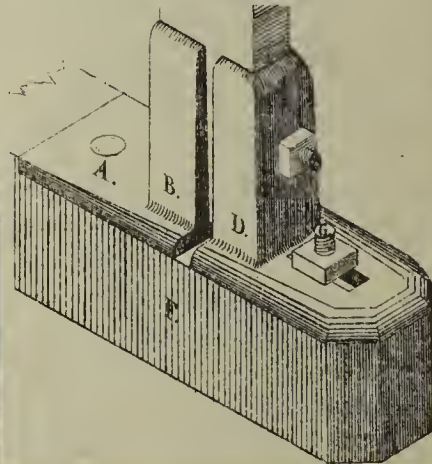


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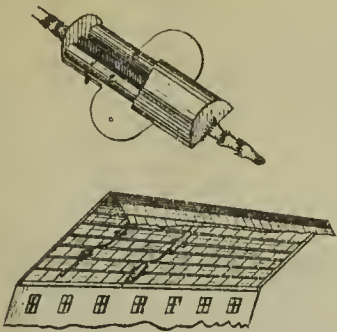
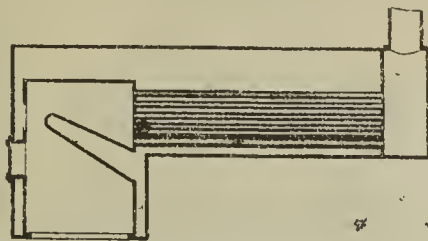
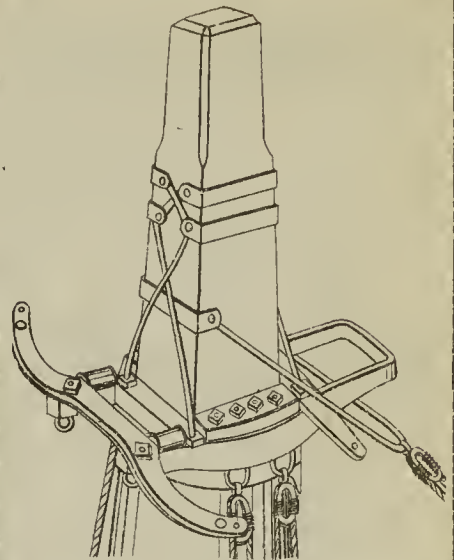
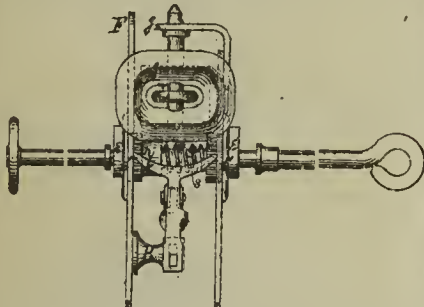
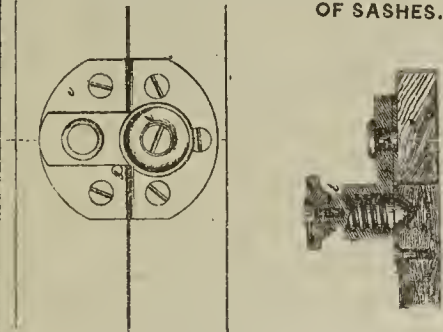
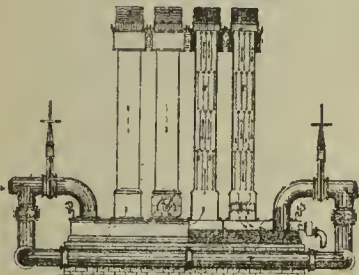
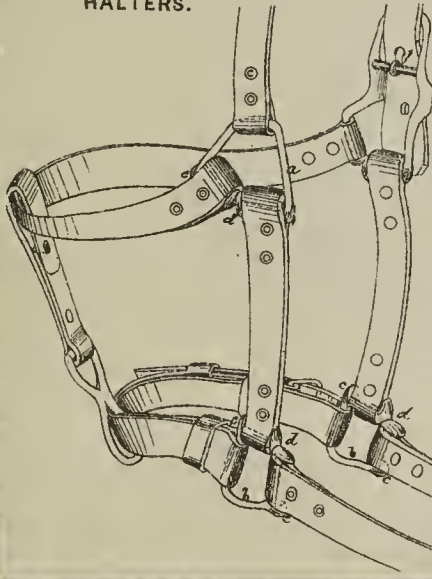
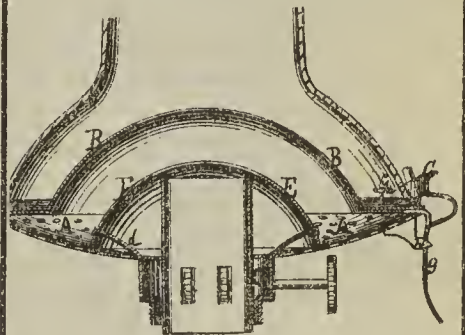
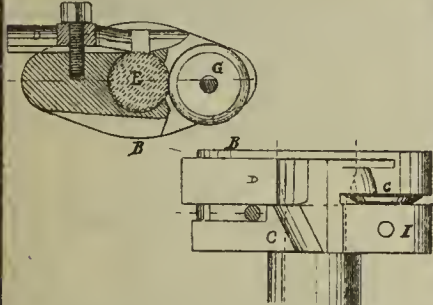
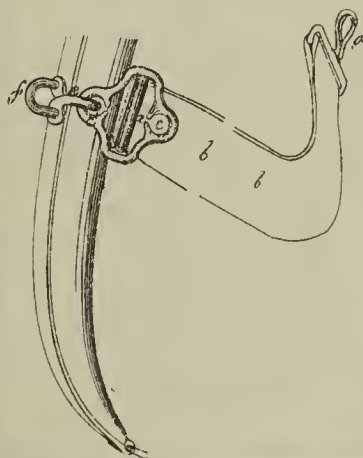
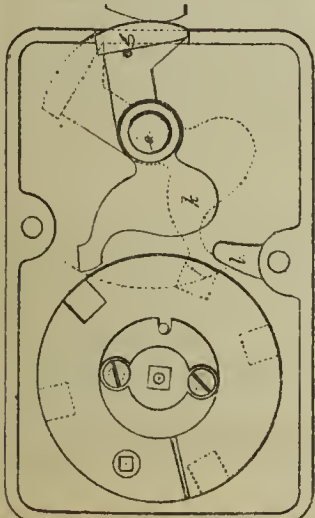
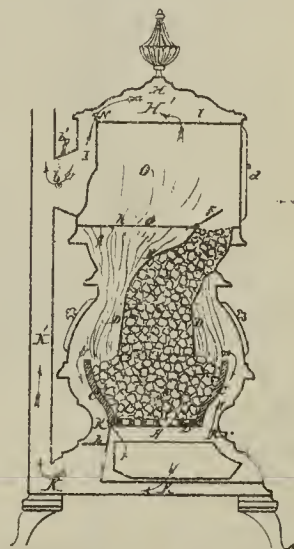
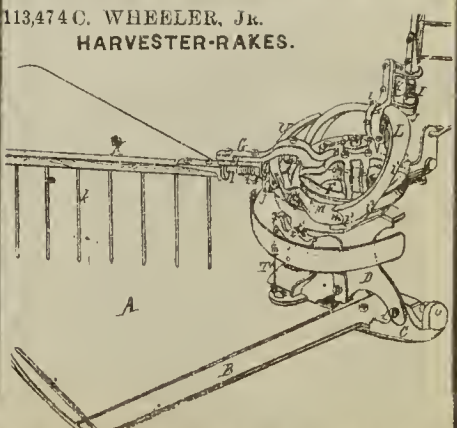
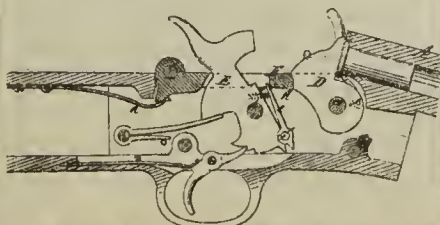
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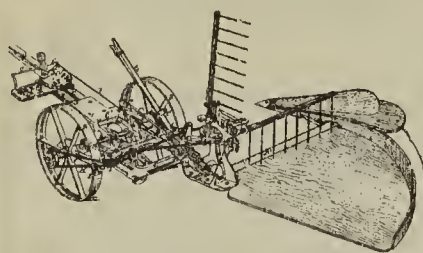
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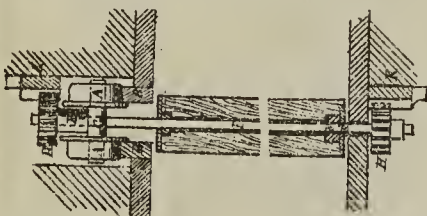
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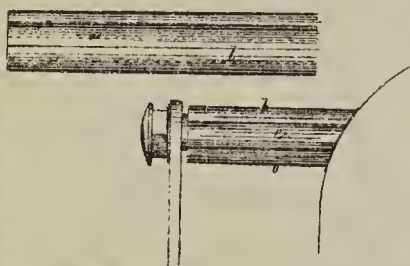
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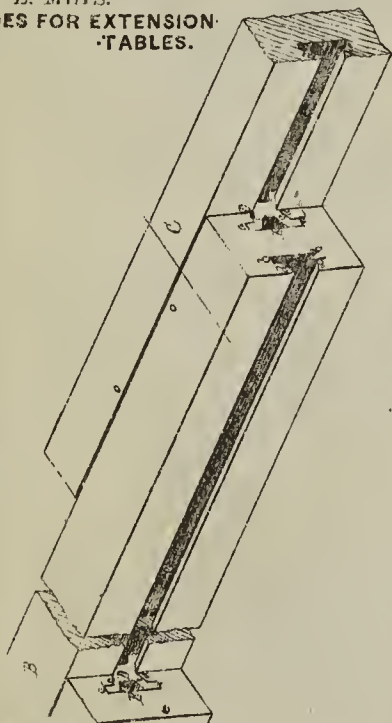
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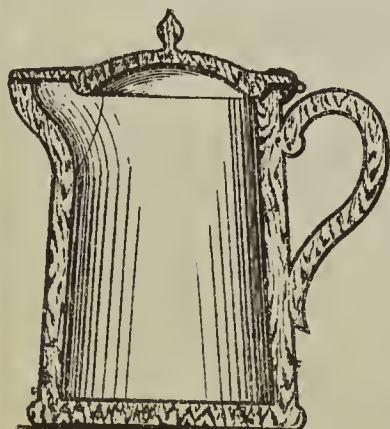
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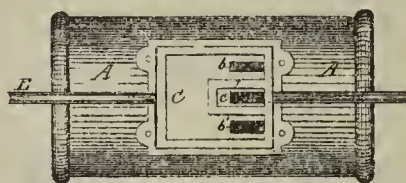
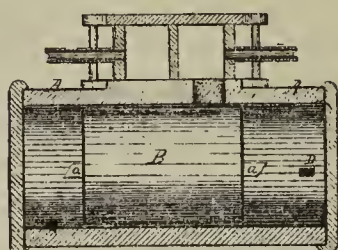
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4,318, KINGSTON GODDARD.
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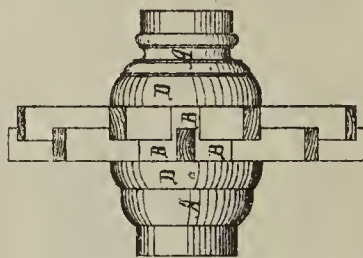
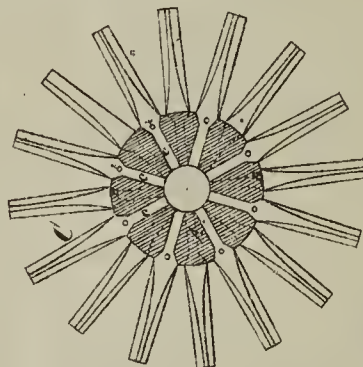
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4,320, CHARLES GRAEBE.
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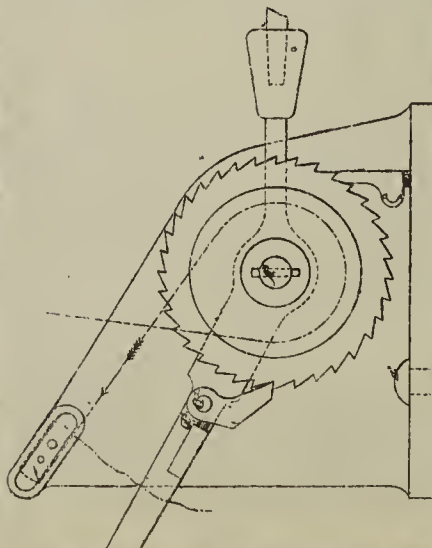
4,321, CHARLES GRAEBE.
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4,322, ROBERT W. McCLELLAND
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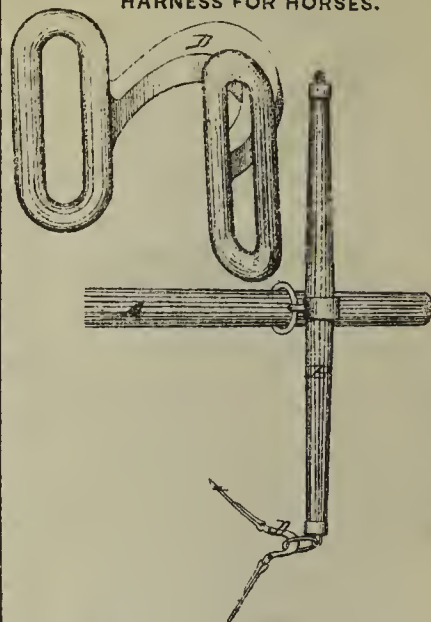


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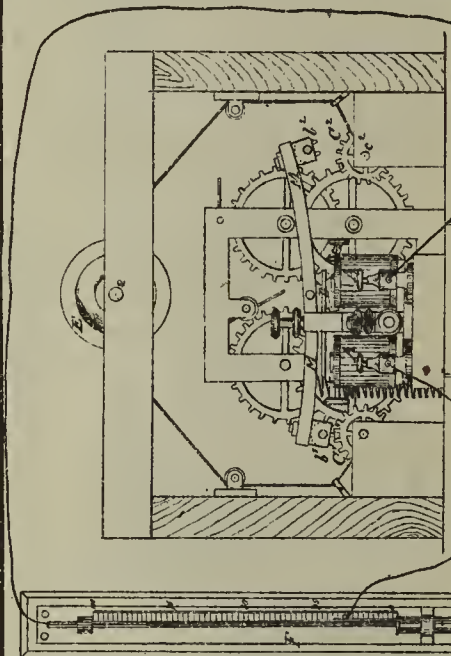
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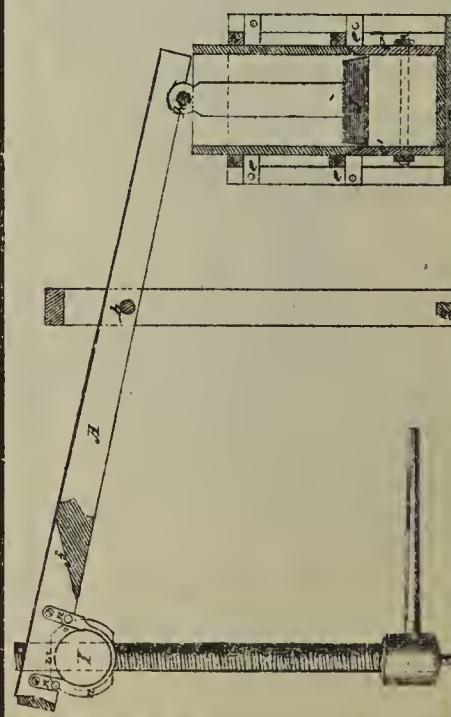
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4,326, GEO. M. STERNBERG.
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4,327, PAUL WILLIAMS.
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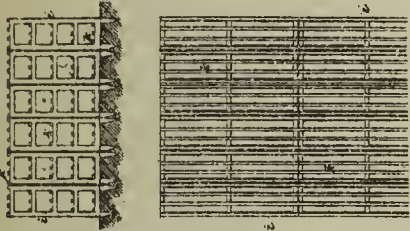


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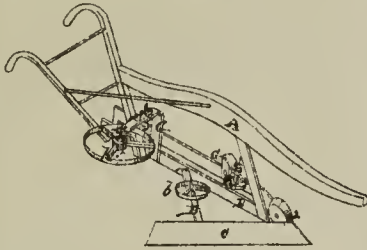
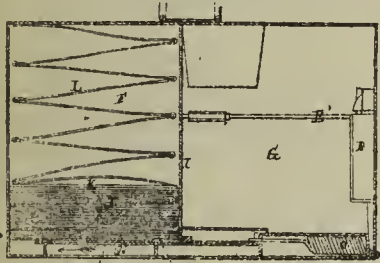
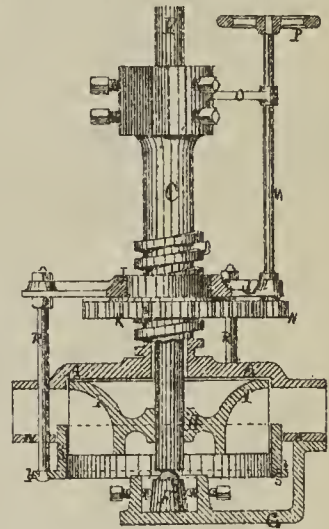
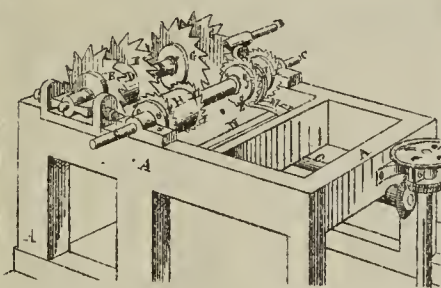
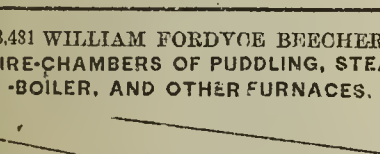
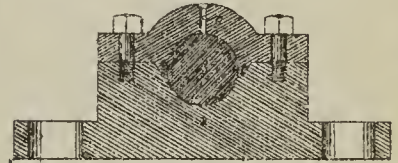
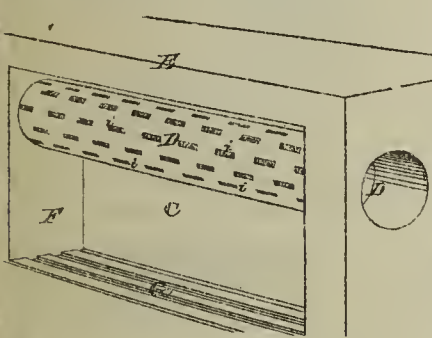
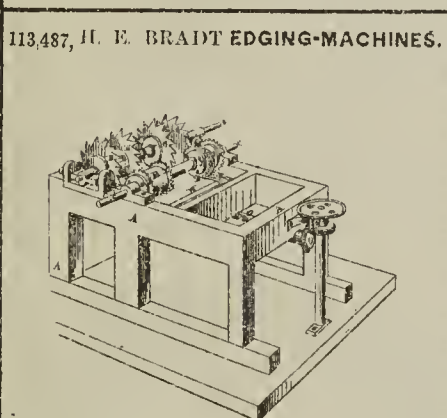
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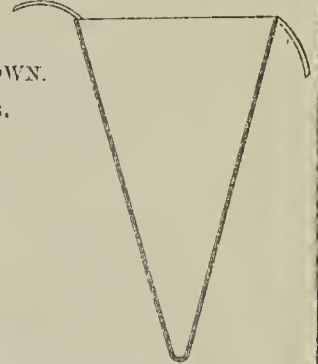
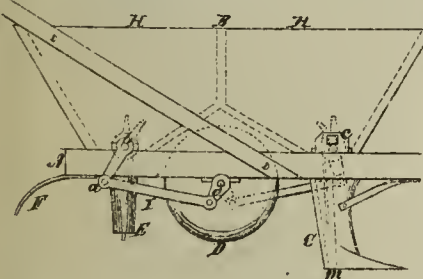
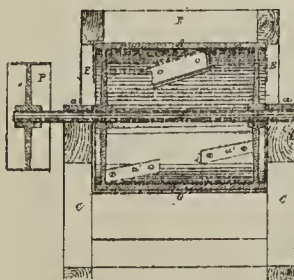
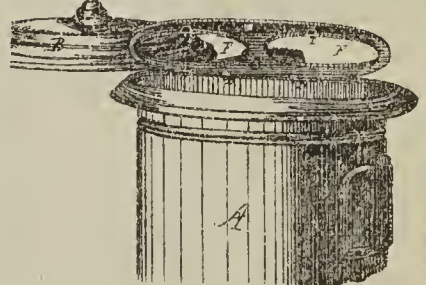
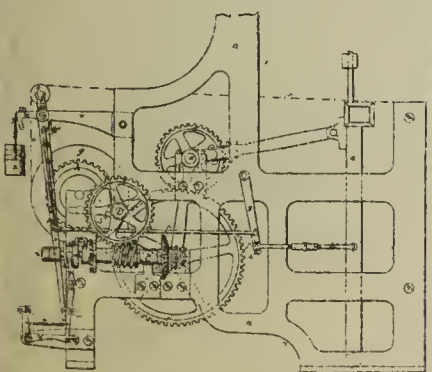
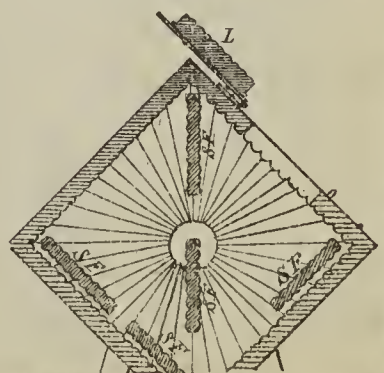
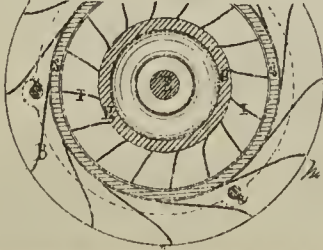
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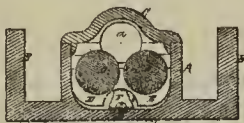
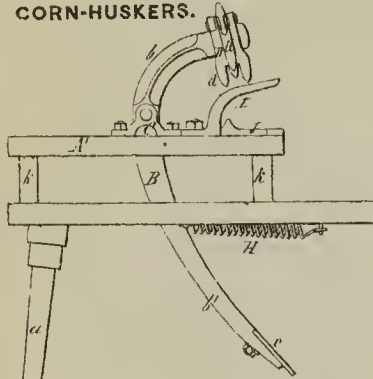
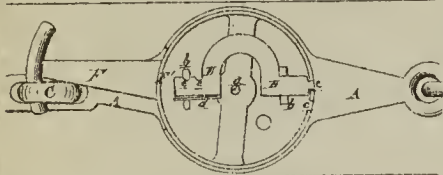
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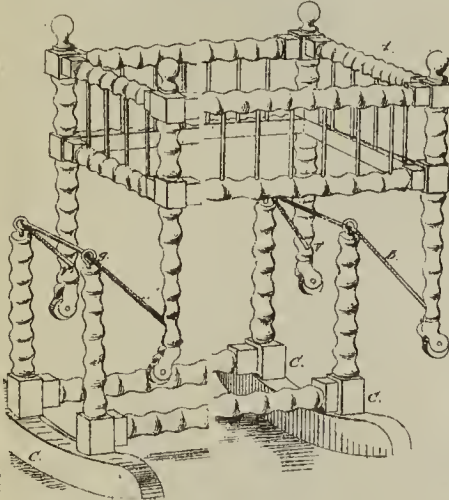
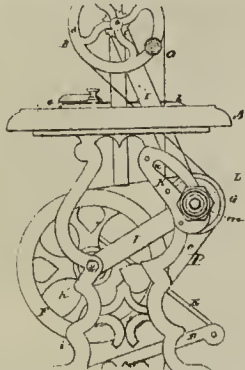
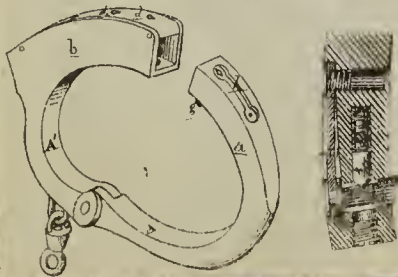
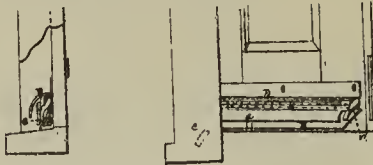
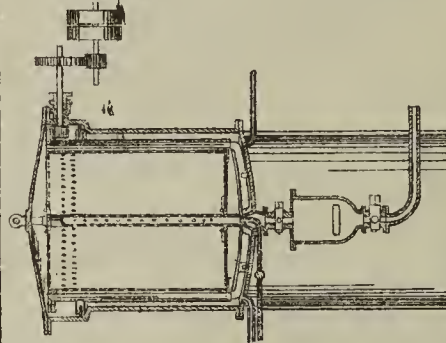
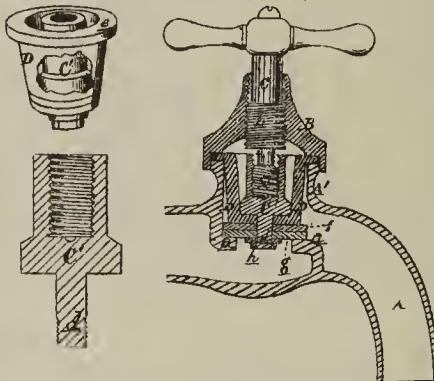
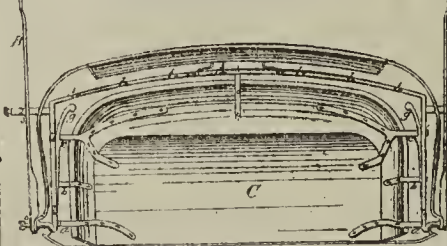
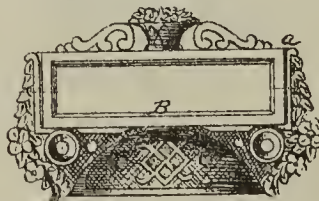
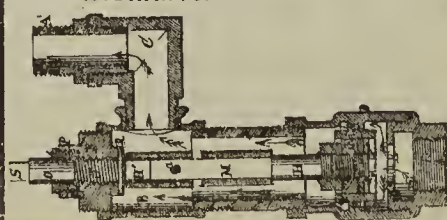
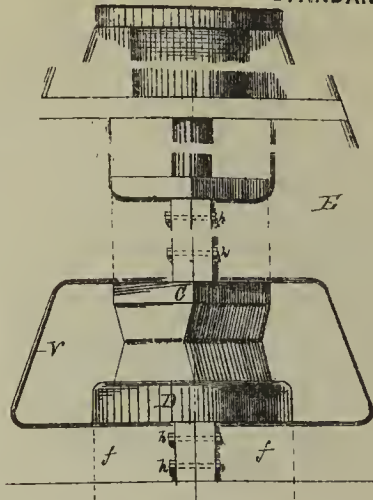
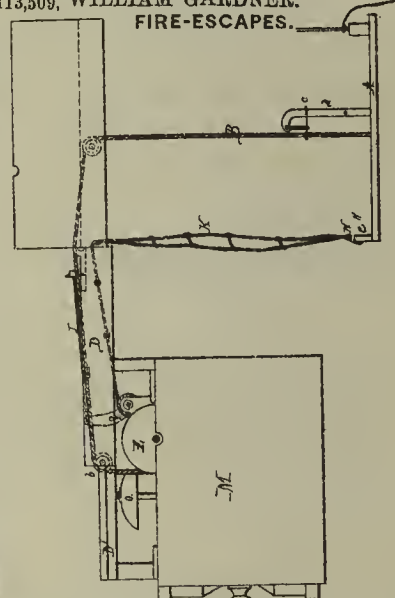
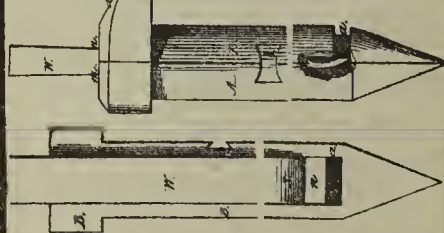
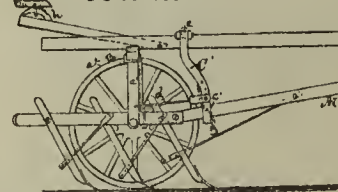
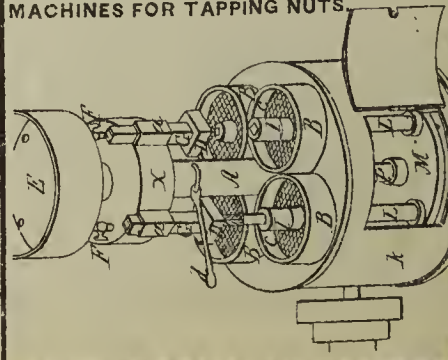
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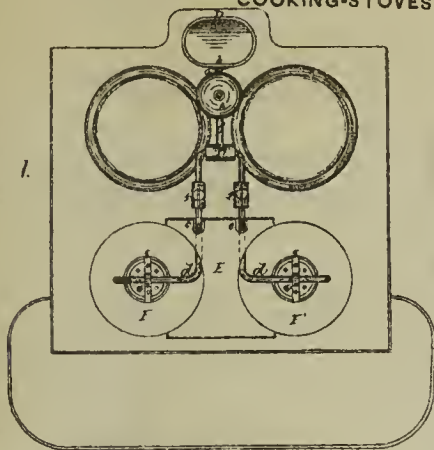
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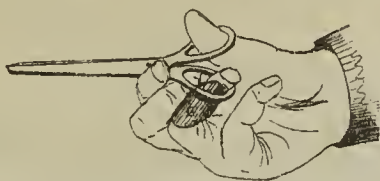
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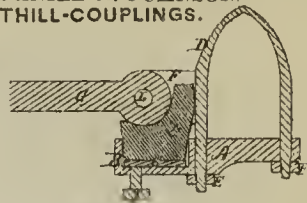
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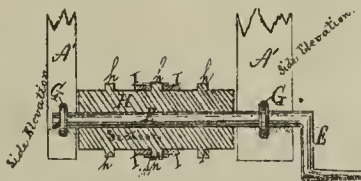
113,519. LEVI HOLMES. FINGER-GUARDS.



113,525. DANIEL A. JOHNSON.
THILL-COUPPLINGS.

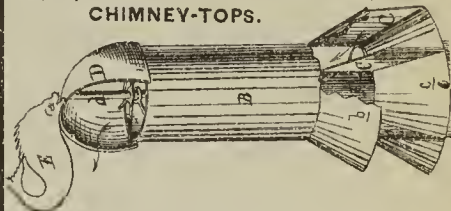


113,520. ALMON HUNT. CULTIVATORS.

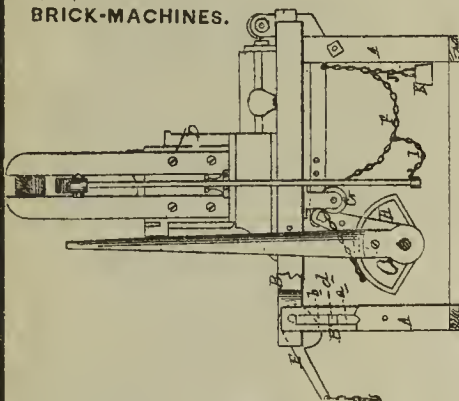


113,526. EZRA A. JOHNSON.
SOAPS FOR POLISHING METALS, &c.

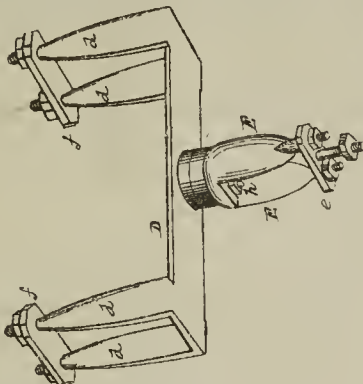
113,527. MICHAEL S. KAVANAGH.
CHIMNEY-TOPS.



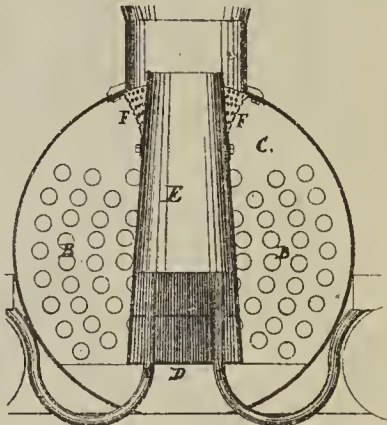
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BRICK-MACHINES.



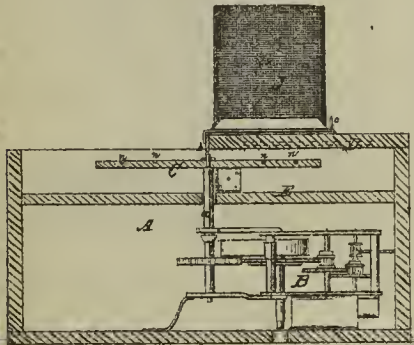
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EPHRAIM H. ANDREWS.
KING-BOLTS FOR CARRIAGES.



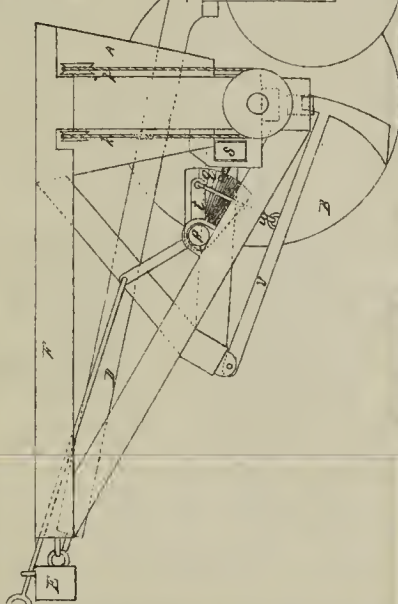
113,528. FRANCOIS KEARNEY.
LUKE F. TRONSON.
SPARK-ARRESTERS FOR LOCOMOTIVES.



113,515. CLINTON R. HARDY. FLY-TRAPS.

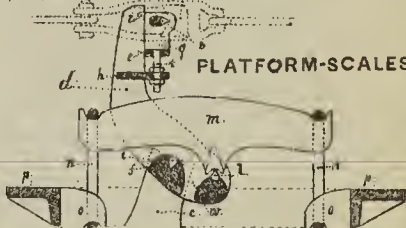


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SEED-DRILLING
MACHINES.

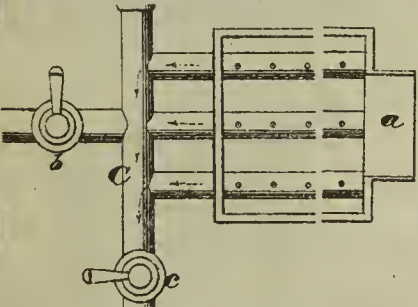


113,529. MICHAEL KENNEDY.

PLATFORM-SCALES.



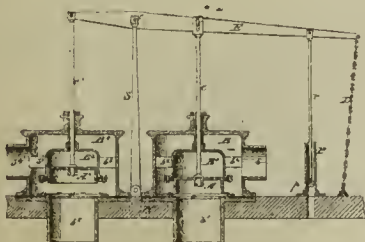
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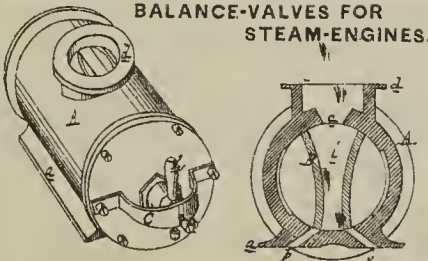
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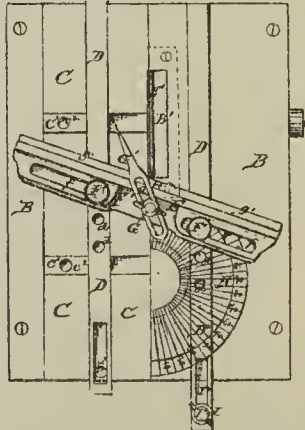
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REGULATING AND SAFETY VALVES



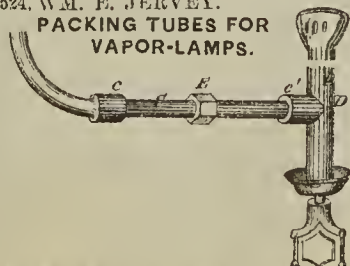
113,523. NELSON JENKINS.
BALANCE-VALVES FOR
STEAM-ENGINES.



113,531. PHINEAS F. KING.
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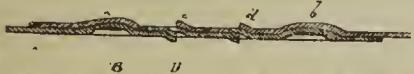
113,524. WM. F. JERVEY.
PACKING TUBES FOR
VAPOR-LAMPS.

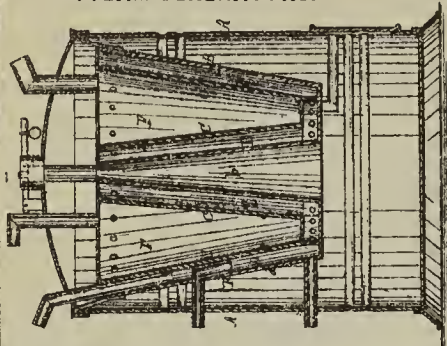
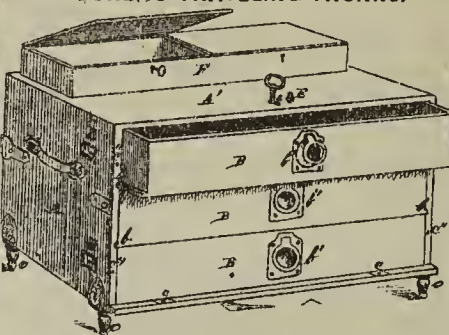
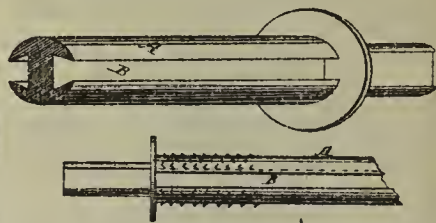


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DOLLS.

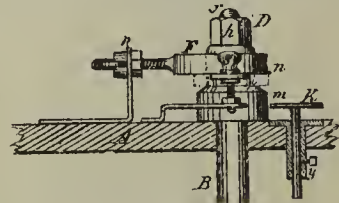


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JAMES O. H. SLACK.
BALE-TIES.

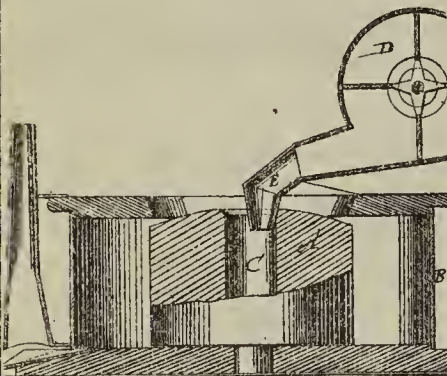
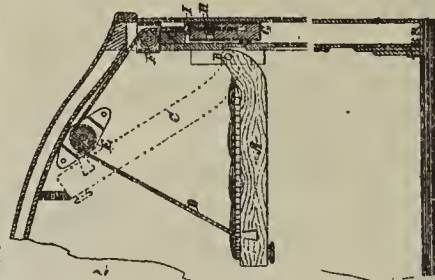
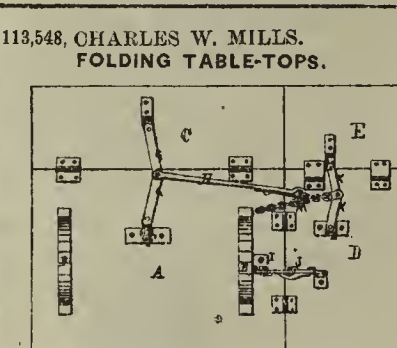
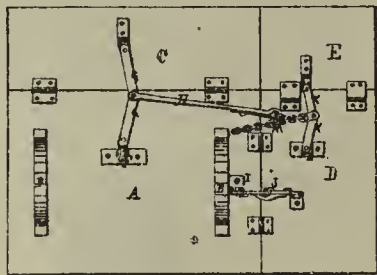
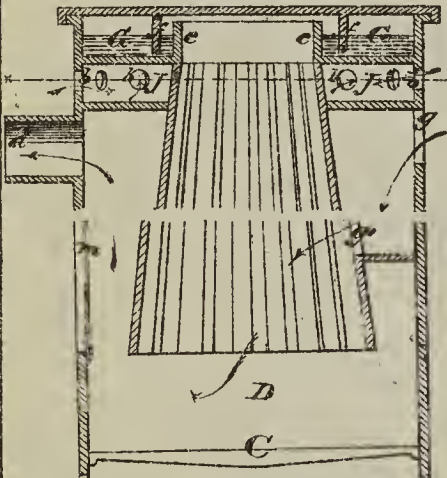
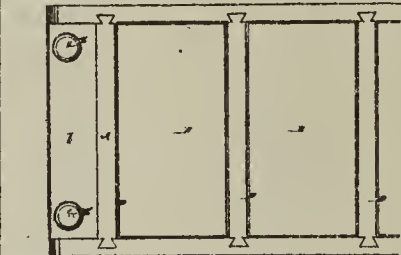
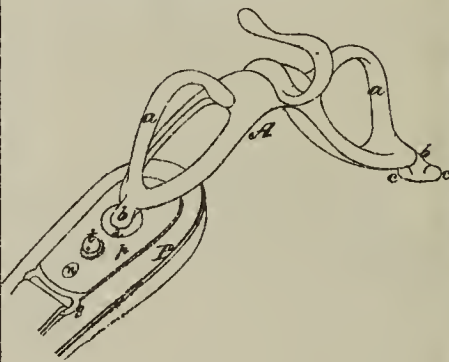
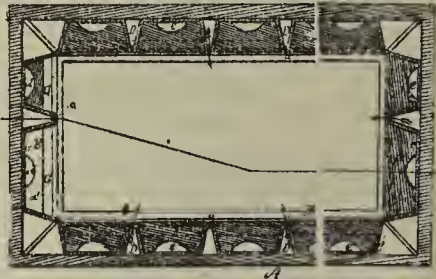
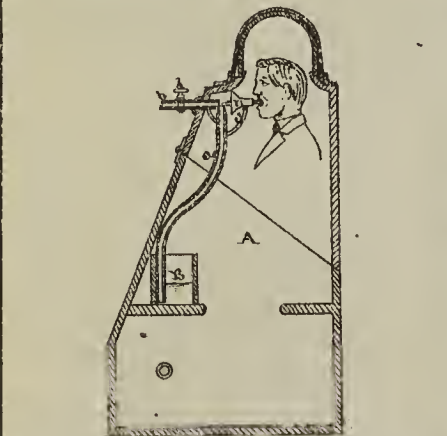
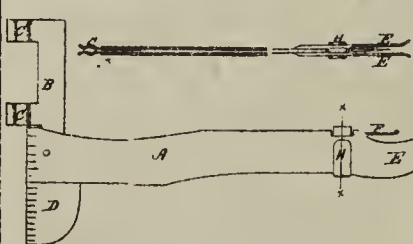
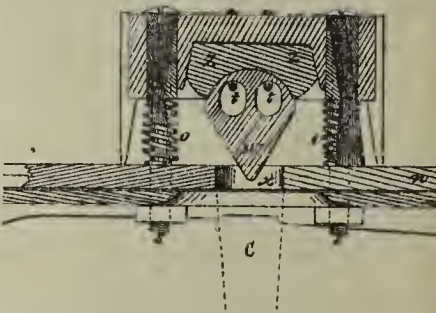
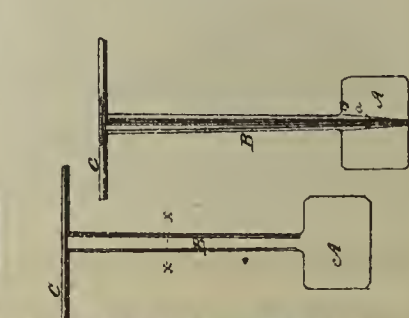
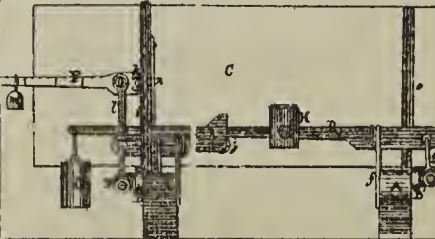


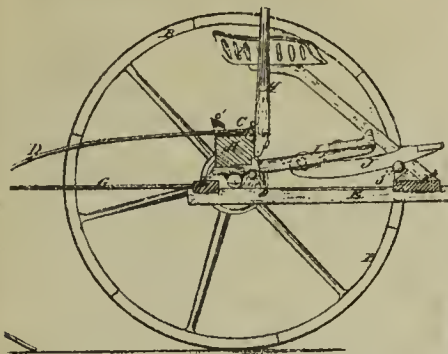
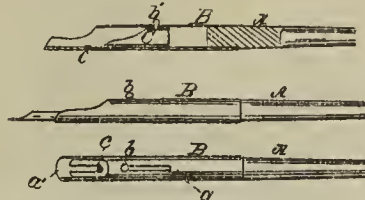
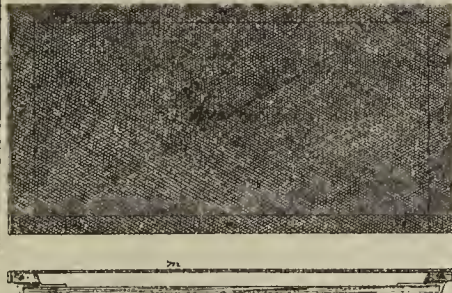
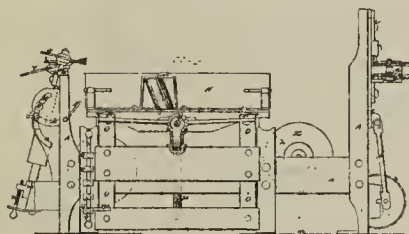
113,533, ERASMUS D. LACY.
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BUREAU TRAVELING-TRUNKS.113,544, THOMAS E. McDONALD.
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113,545 SUSPENDED.

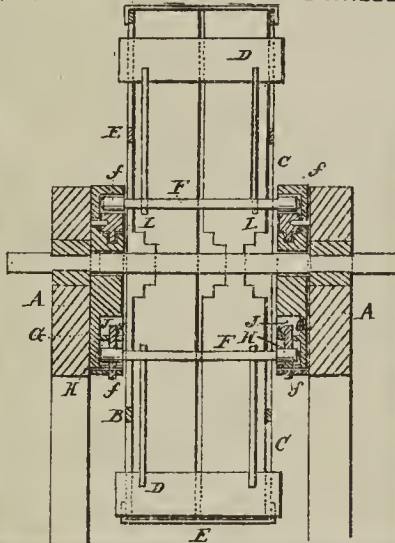
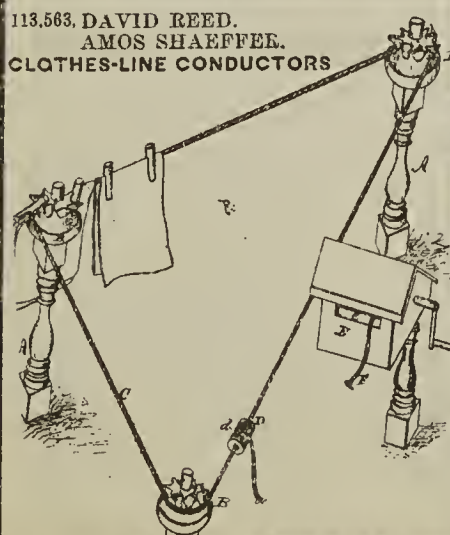
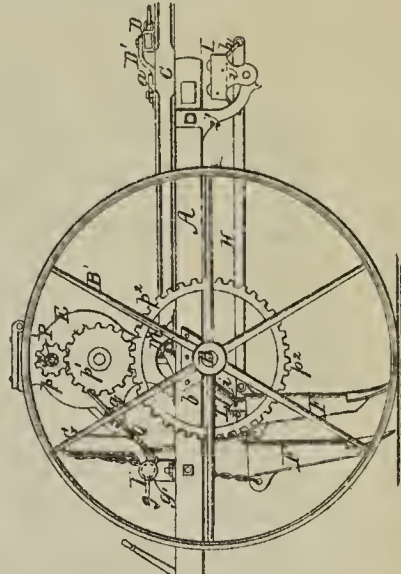
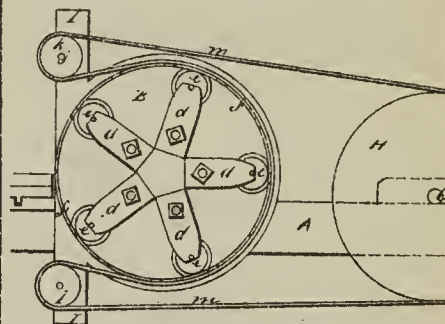
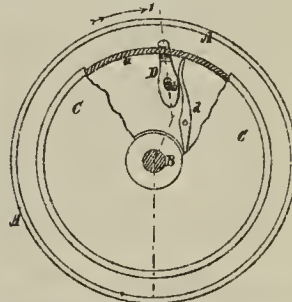
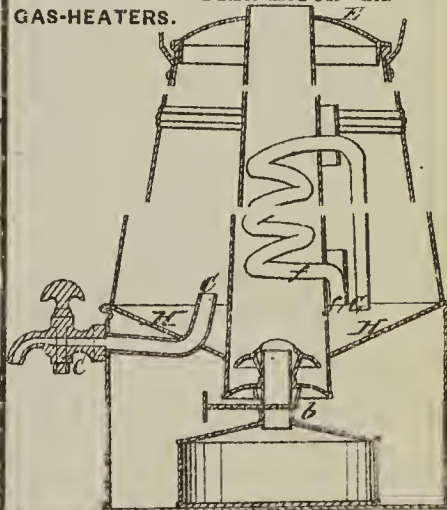
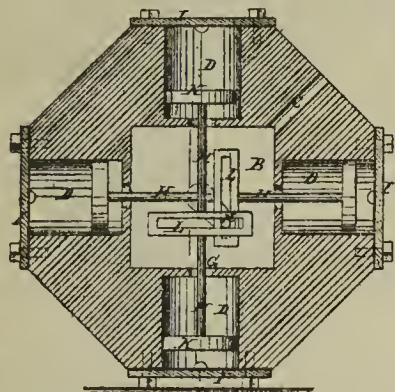
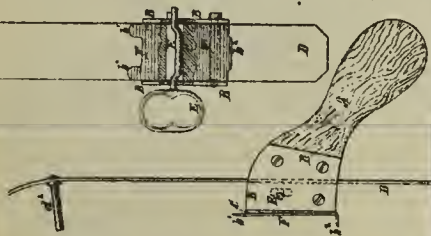
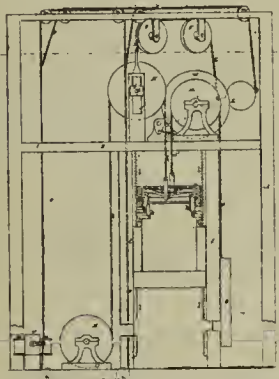
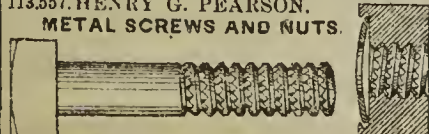
113,546, DANIEL McLAUGHLIN.
MACHINES FOR TRIMMING THE SOLES
OF BOOTS AND SHOES.

113,534, F. H. LA PORT. GRINDING-MILLS.

113,539, BENJ. F. MANIER.
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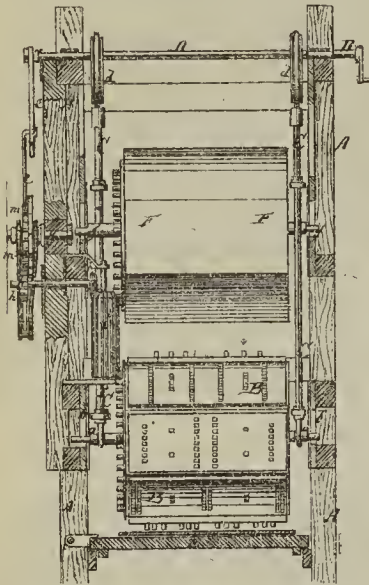
113,552, WILLIAM A. MYERS.
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FRAMES FOR WIRE-MATTRESSES.113,560, DAVID POMEROY.
DOVETAILING-MACHINES.

113,561, ELIJAH PRATT. PADDLE-WHEELS.

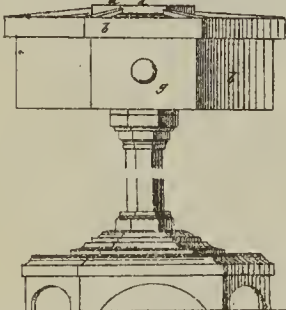
113,562, WILLIAM J. RAND, JR.
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ALGÆ OR SEA-MOSSES.113,564, DANIEL RENTCHLER.
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113,569, JOSEPH A. ROBBINS.
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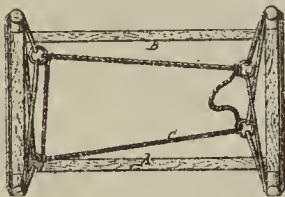
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OIL-CLOTH PRINTING-MACHINES.



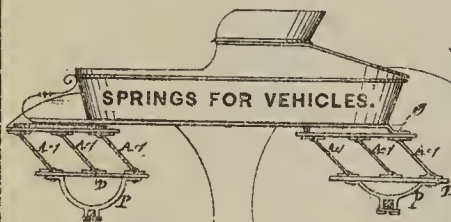
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DENTISTS' INSTRUMENT-STANDS.



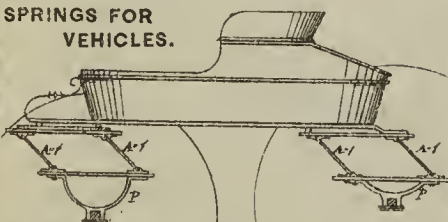
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FISH-NET SUPPORTERS.



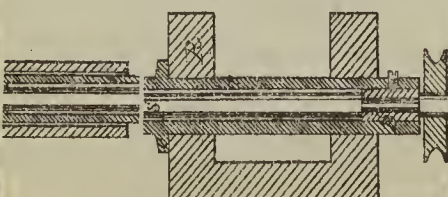
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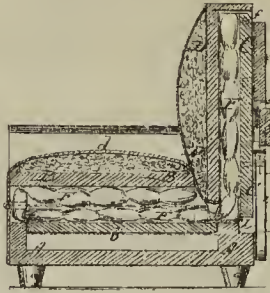
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SPRINGS FOR VEHICLES.



113,575, JACOB H. SAWYER.
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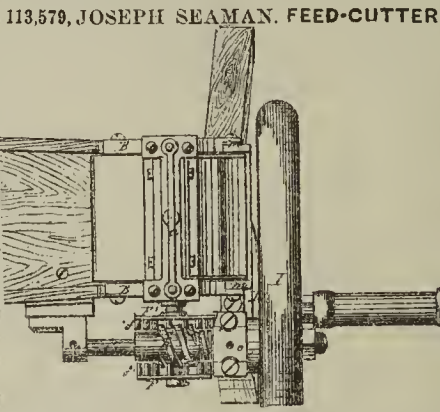
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SOFA-BEDS.



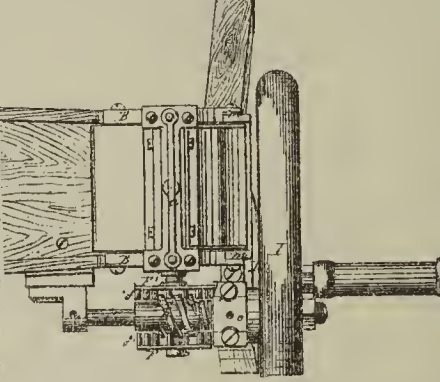
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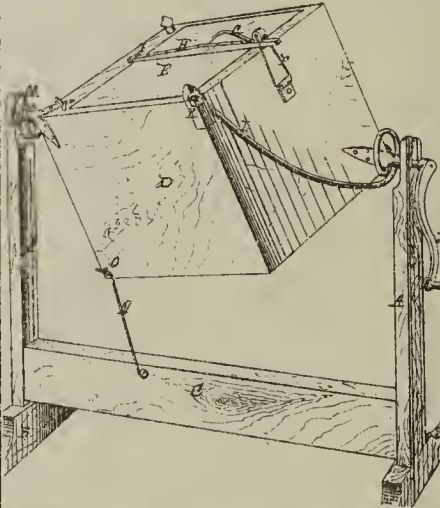
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KINDLING MATERIALS.



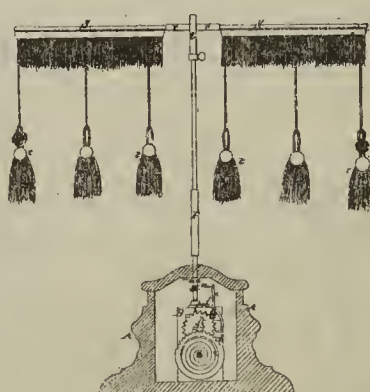
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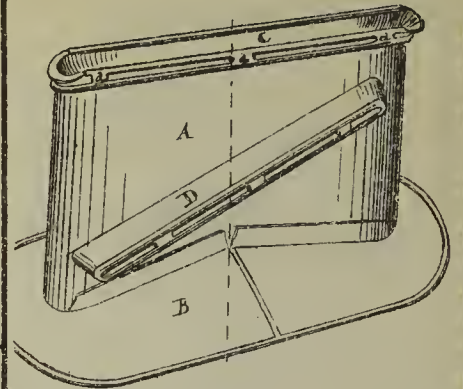
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113,581, DAVID SHANKLAND.
EMERSON B. HOPKINSON.
FLY-BRUSHES

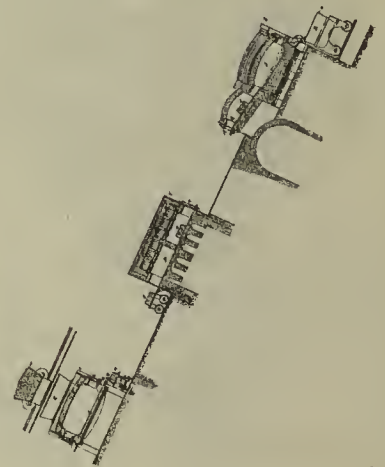


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WASH-BOILERS.

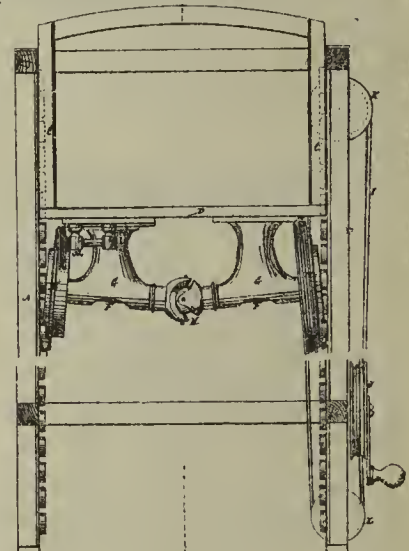


113,583, ALEXANDER H. SIEGFRIED.
REFINING IRON AND STEEL.

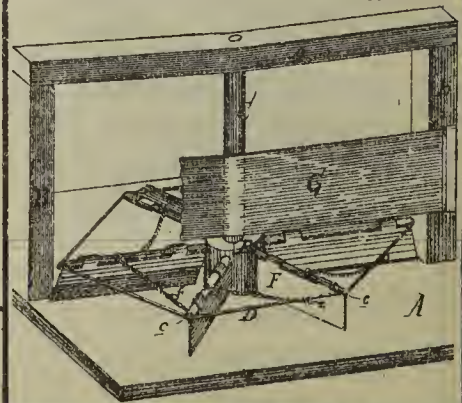
113,584, O. WILLIAM SIEMENS.
PROCESSES AND APPARATUS FOR THE
PRODUCTION OF CAST-STEEL
FROM ORES.



113,585, THOMAS SILVER.
HOISTING APPARATUS.



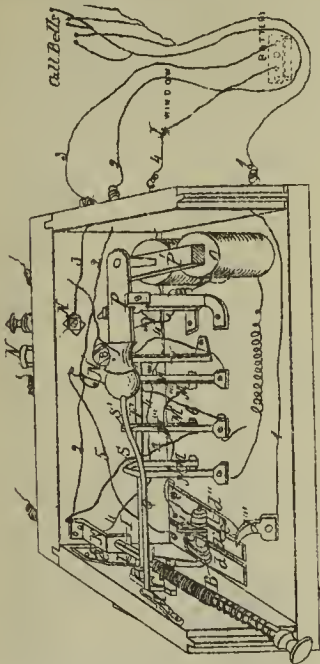
113,586, HEMAN B. SINCLAIR.
CURRENT WATER-WHEELS.



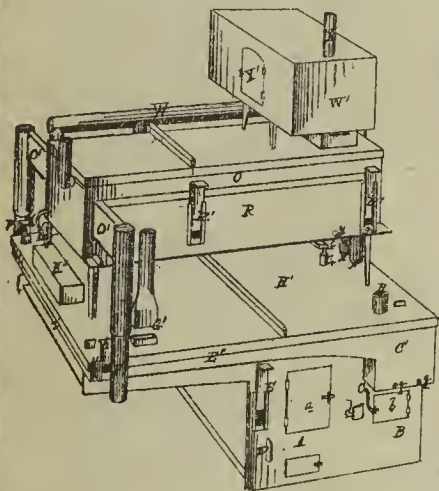
113,587, FRED. J. SLADE.
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113,588, JACOB H. SMYER.
ROOFING-COMPOSITIONS.

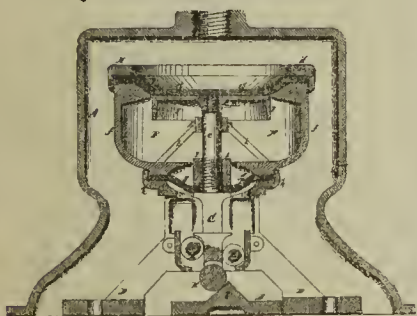
113,589, JAMES P. SNYDER.
ELECTRO-MAGNETIC BURGLAR-ALARMS



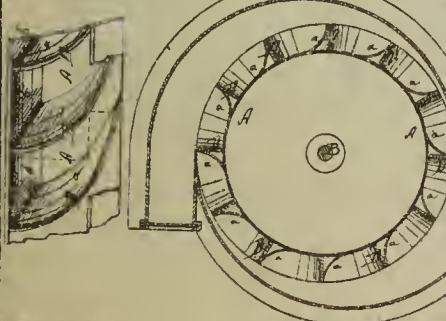
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APPARATUS FOR EVAPORATING
CANE-JUICE, &c.



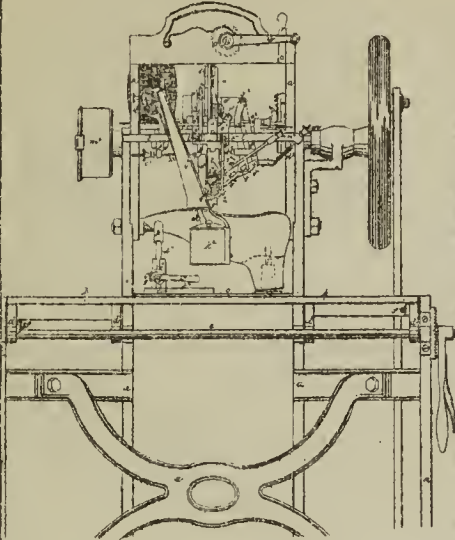
113,591, D. B. SPOONER.
LIQUID AND GAS-METERS.



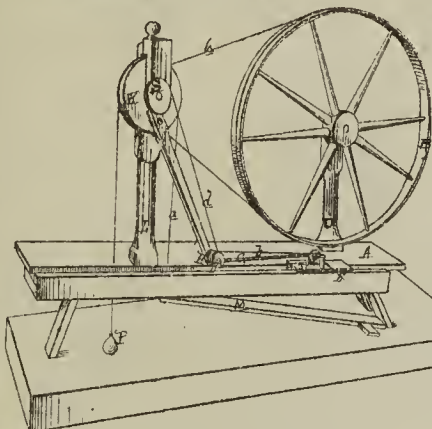
113,592, JOHN H. STAPLES.
WATER-WHEELS.



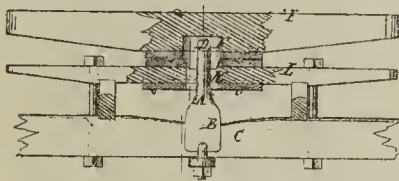
113,593, MICHAEL J. STEIN.
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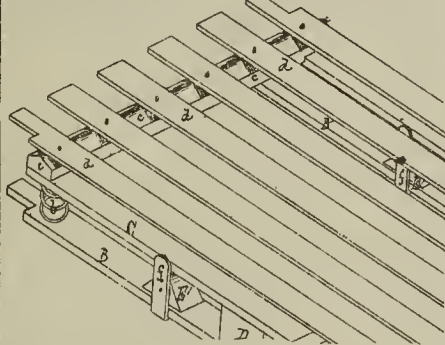
113,594, JOSEPH STRAIN.
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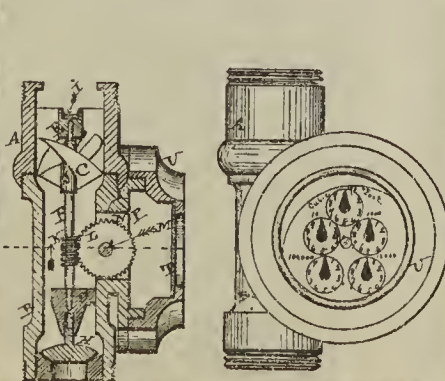
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KING-BOLTS FOR WAGONS.



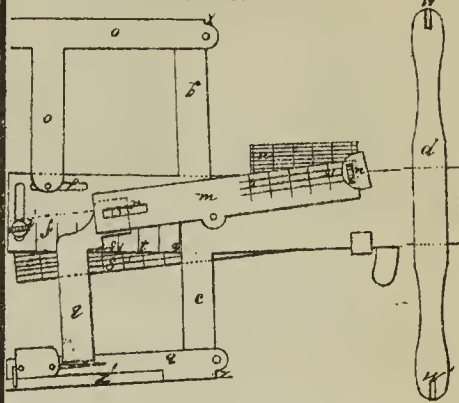
113,596, JOSEPH TINNEY.
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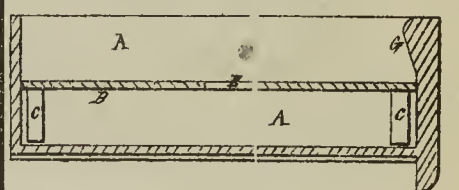
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WATER-METERS.



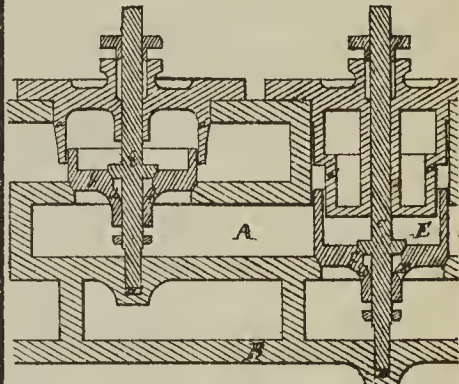
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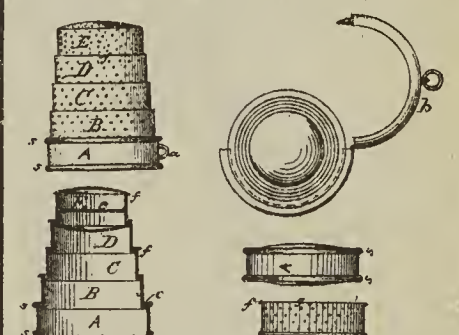
113,599, ERNEST VON JEINSEN.
JAMES M. McDONALD.
OIL-RESERVOIRS FOR AXLE-BOXES.



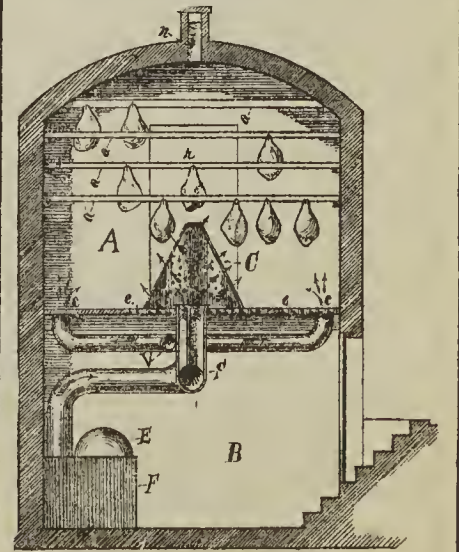
113,600, ALEXANDER WANICH.
BALANCE-VALVES.

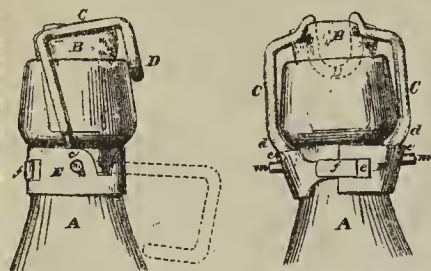
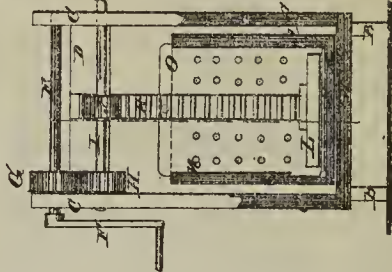
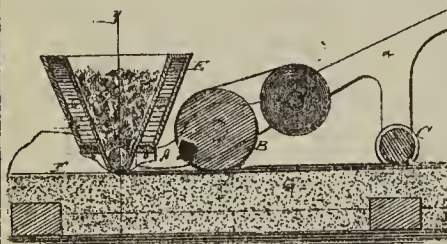
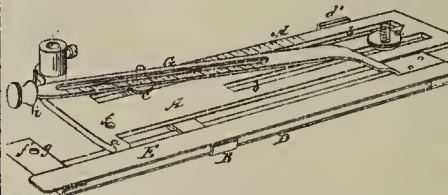
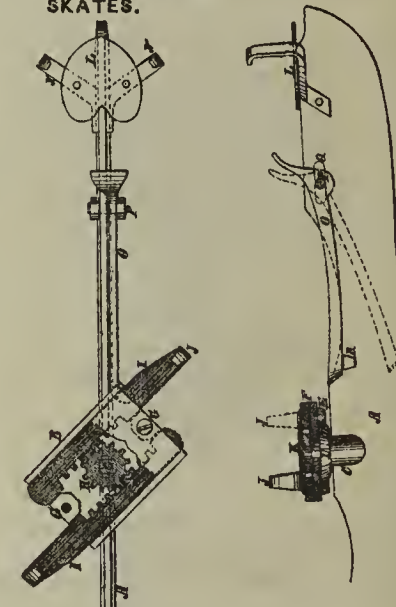
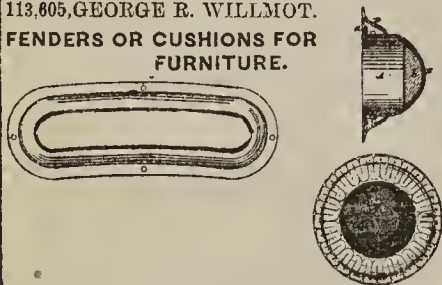
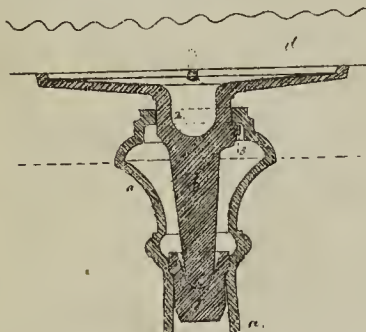
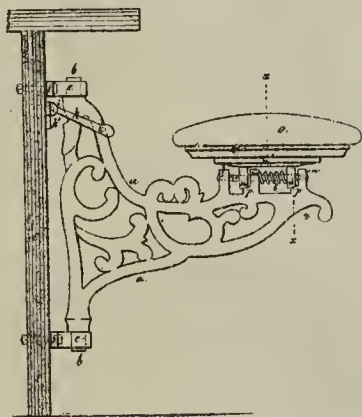
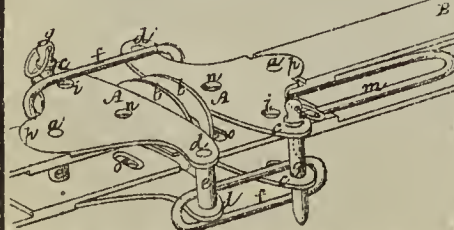
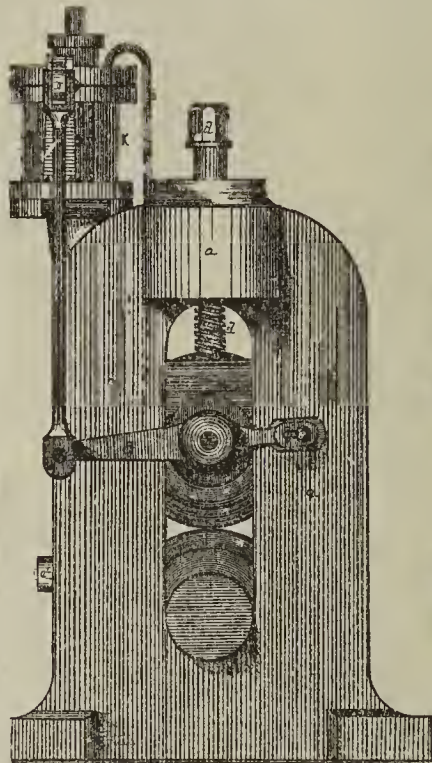
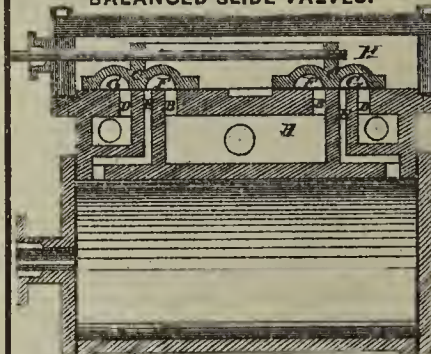
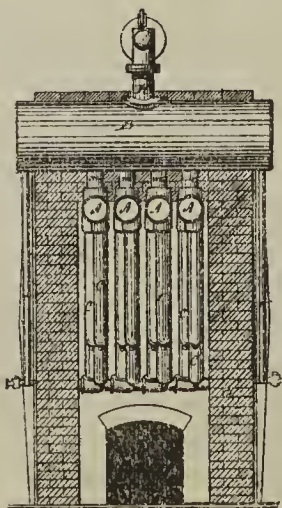
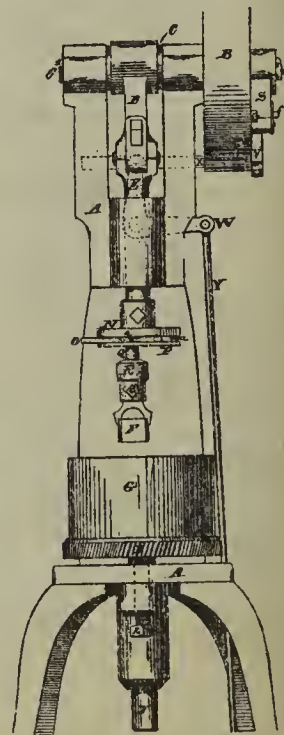


113,601, WILLIAM A. WANSLEBEN.
COMBINED THIMBLES AND LOCKETS.

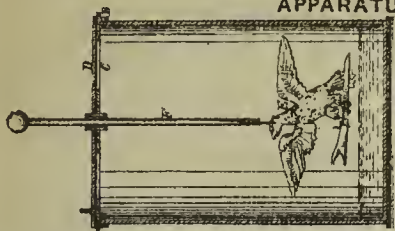


113,602, ASA WATERMAN.
SMOKE-HOUSES.

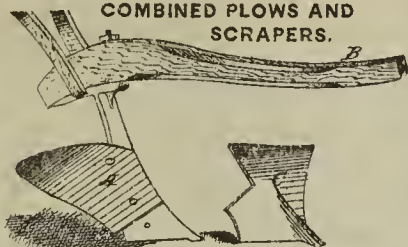


113,603, EPHRAIM D. WEATHERBEE.
BOTTLE-FASTENINGS.113,609, ABRAHAM F. WYKER.
WINE-PRESSES.113,614, WM. AUSTIN. PIPE-ELBOWS.
WM. OBDYKE.113,604, JAY J. WIGGIN.
MACHINES FOR THE MANUFACTURE OF
COMPOSITION-ROOFING.113,610, ENOCH S. YENTZER.
ATTACHMENTS FOR SEWING-MACHINES.113,615, WILLIAM HENRY BARKER.
SKATES.113,605, GEORGE R. WILLMOT.
FENDERS OR CUSHIONS FOR
FURNITURE.113,606, JOHN J. WILSON.
PIVOTS FOR SEATS.113,607, JOHN J. WILSON.
BRACKET SEATS.113,608, JOHN T. WILSON.
BUFFER-HEADS AND DRAW-BARS FOR
RAILWAY-CARS.113,611, CHRISTOPHER ZUG.
MACHINES FOR SCRAPING IRON.113,616, ALBERT G. BARRETT.
BALANCED SLIDE-VALVES.113,617, DR. BENJAMIN BATES.
ROOT OR TONIC BEER.113,612 ISAAC ADAMS, JR.
ELECTROPLATING WITH NICKEL.113,613, JOHN F. ALLEN.
STEAM-GENERATORS.113,618, HORACE H. BIGELOW.
MACHINES FOR CUTTING LEATHER.

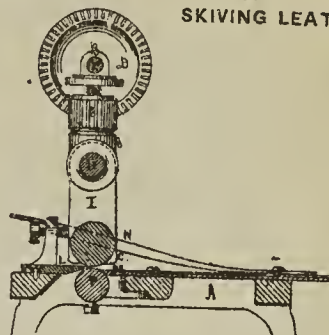
113,619, OTTO BOLDEMANN.
PERFUMING AND DISINFECTING
APPARATUS.



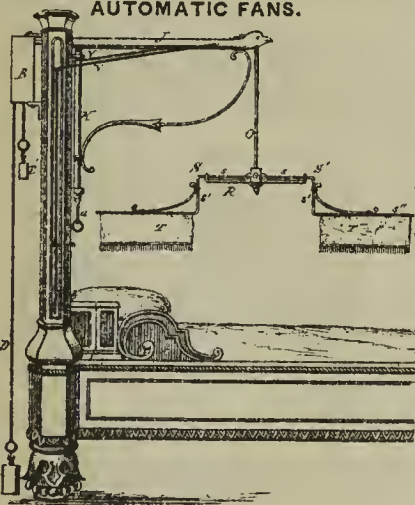
113,625, JOHN CHARLES CAMERON.
COMBINED PLOWS AND
SCRAPERS.



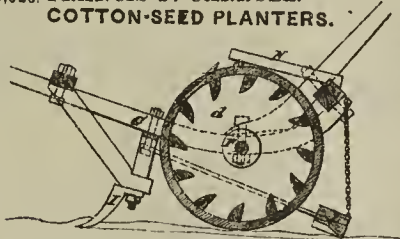
113,631, ALEXANDER COCHRAN.
MACHINES FOR SPLITTING AND
SKIVING LEATHER.



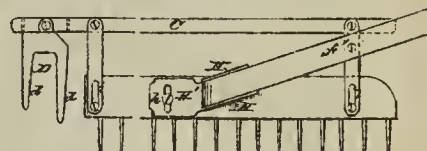
113,620, GEORGE C. BOVEY.
AUTOMATIC FANS.



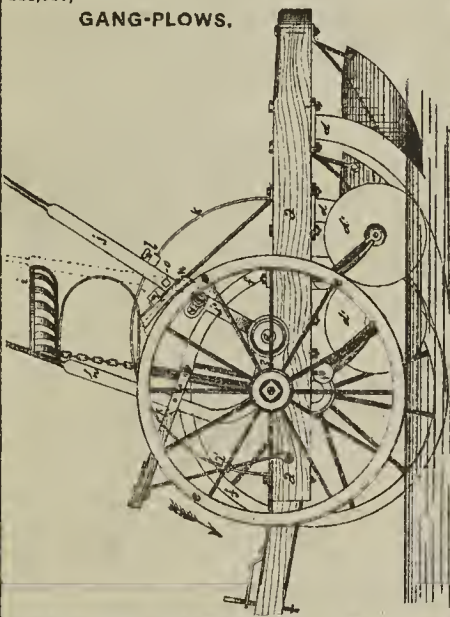
113,626, FRANCIS F. CARROLL.
COTTON-SEED PLANTERS.



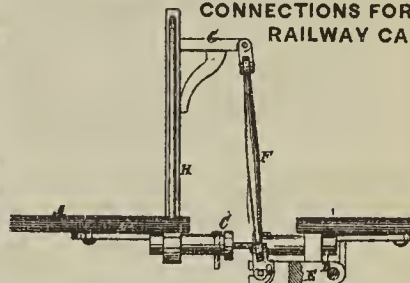
113,632, O. B. COLOORD.
HARVESTER-RAKES.



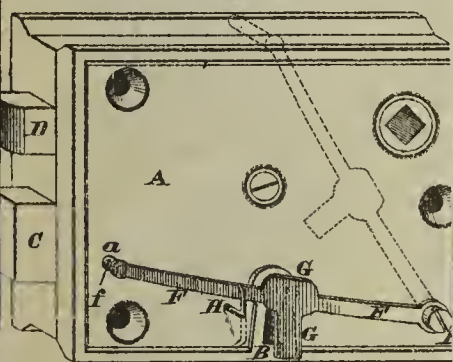
113,627, LUKE CHAPMAN.
GANG-PLOWS.



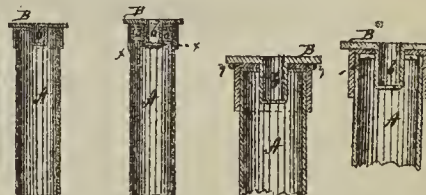
113,633, JOSEPH R. CRABILL.
CONNECTIONS FOR
RAILWAY CARS.



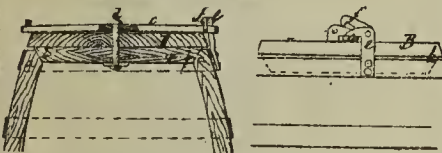
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KEY-HOLE GUARDS.



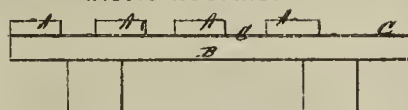
113,634, SILAS CRISPIN.
METALLIC CARTRIDGES.



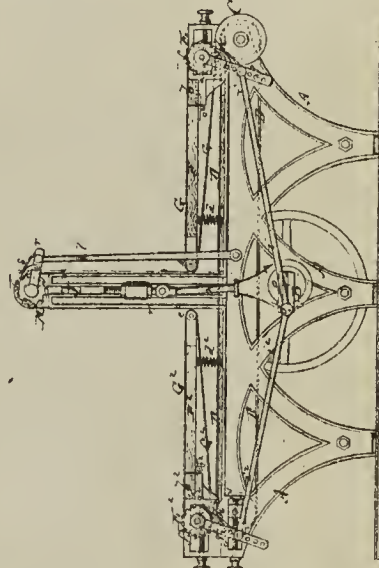
113,622, HENRY BRAUNHOLD.
CASKS FOR PASTE.



113,628, JOHN CIPPERLEY.
MASTIC ROOFING.



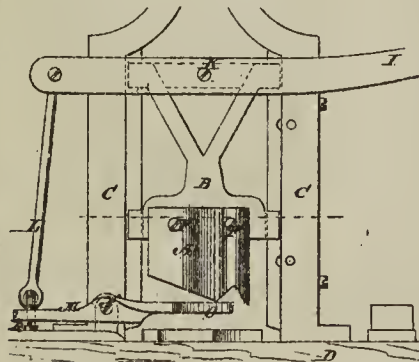
113,635, WILLIAM EDWARD DAMANT.
MACHINES FOR CUTTING LOZENGES. &c.



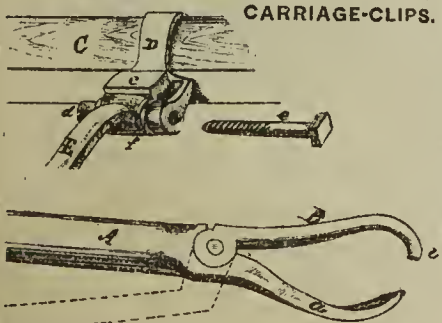
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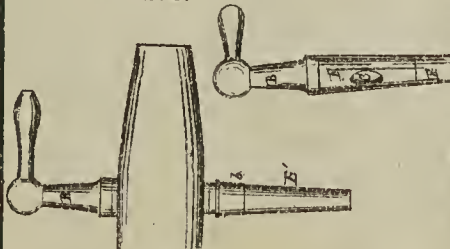
113,629, JAMES W. CLARK.
PICKET-CUTTERS.



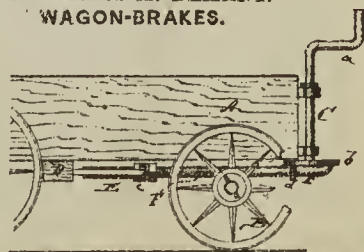
113,624, THOMAS H. BROWN.
CHAS. E. GILMAN.
APPARATUS FOR COMPRESSING AND
INSERTING RUBBER BLOCKS INTO
CARRIAGE-CLIPS.



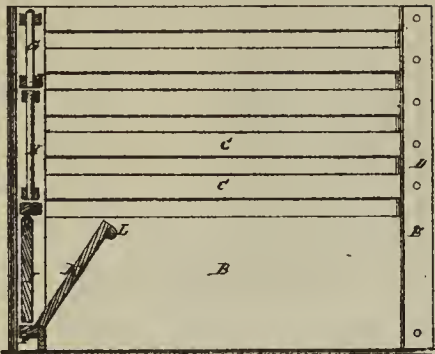
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HENRY W. TRISSLER.
WALTER D. TRISSLER.
FAUCETS.



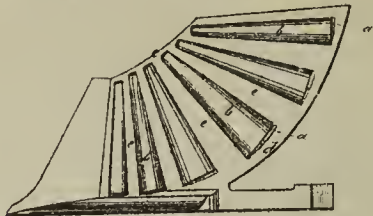
113,636, ROBERT H. DEMENT.
WAGON-BRAKES.



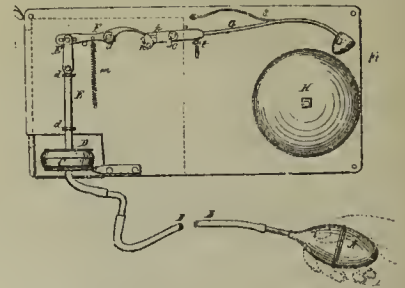
113,637 DANIEL M. DENISON
STALLS FOR HORSES.



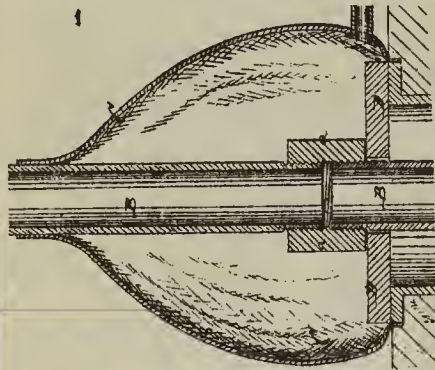
113,642 ISAAC T. DYER.
MOLD-BOARDS FOR PLOWS.



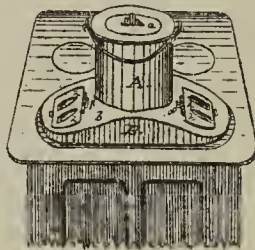
113,647 WM. FOSTER, JR.
PNEUMATIC SIGNALING APPARATUS.



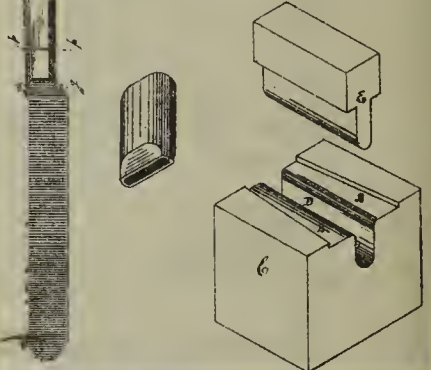
113,638, WILLIAM W. DEWEY.
ATTACHMENTS TO OIL-WELL TUBING.



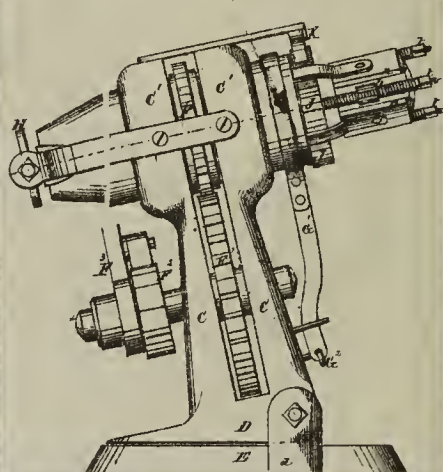
113,643, JAMES EASTERLY.
COOKING-STOVES.



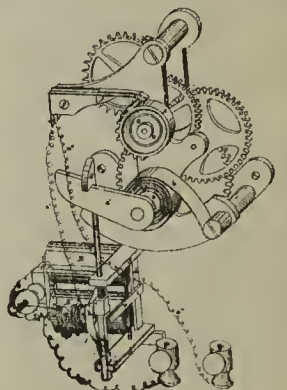
113,648, JAMES D. FRARY.
MANUFACTURE OF BOLSTERS
FOR CUTLERY.



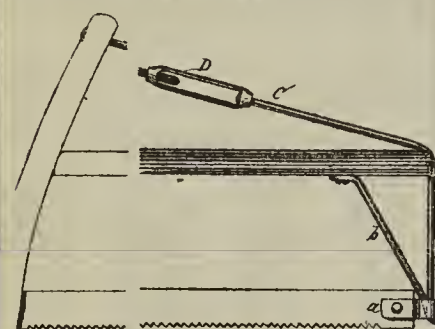
113,644, DAVID J. FARMER.
NAIL AND TACK-PLATE FEEDERS.



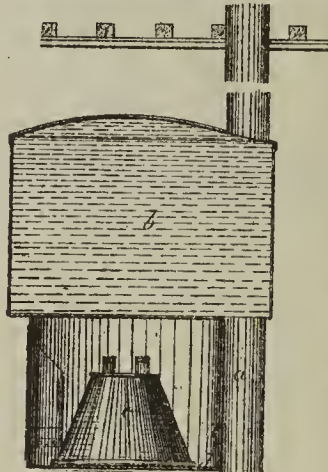
113,649, JOHN N. GAMEWELL
FIRE-ALARM TELEGRAPH APPARATUS.



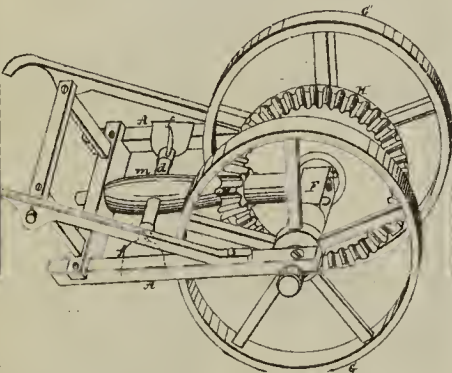
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BUCK-SAW FRAMES.



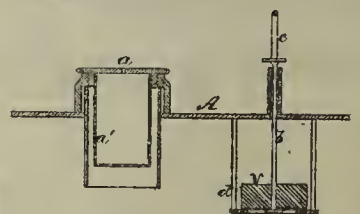
113,645, VALENTINE FOGERTY.
NON-FREEZING WATER-PIPES.



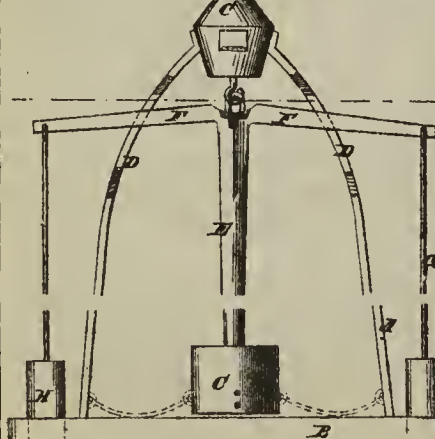
113,640, CHARLES BRYANT DOUGLAS.
COTTON-CHOPPERS.



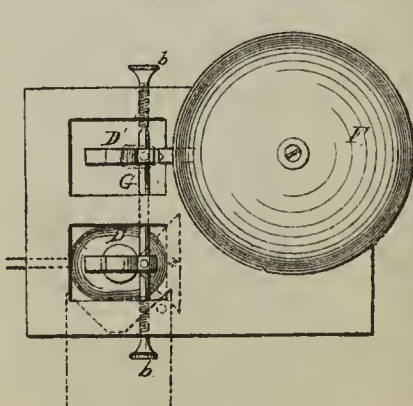
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COMBINED LAMPS AND REFLECTORS.



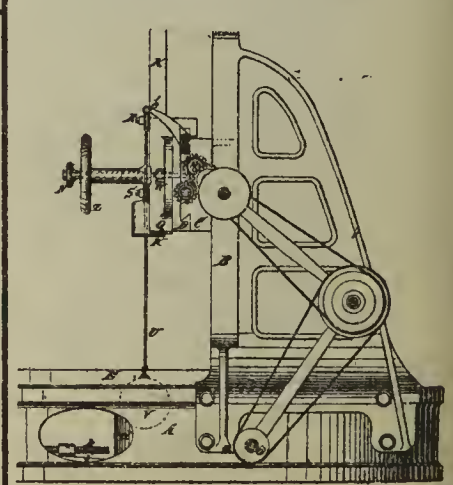
113,641, DAVID A. DUNHAM SHIP-PUMPS.

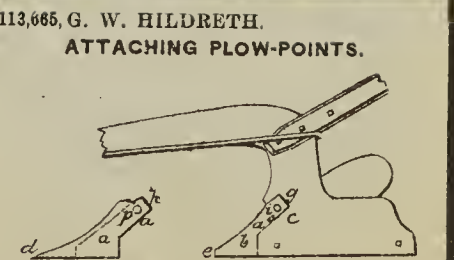
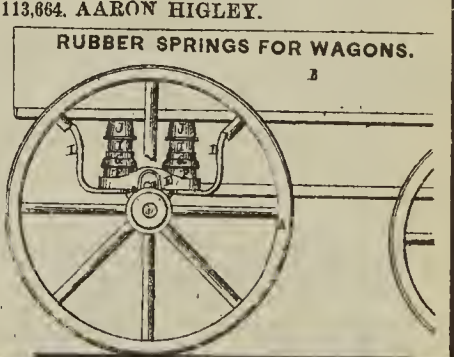
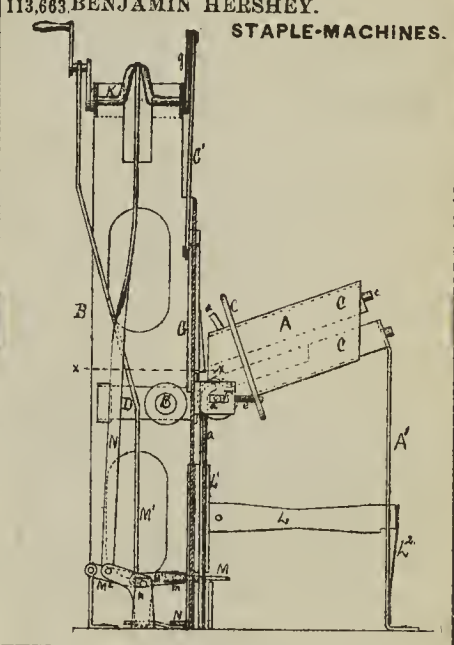
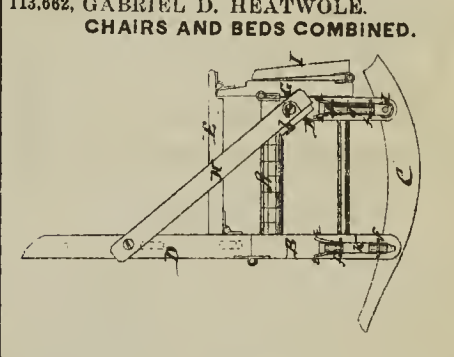
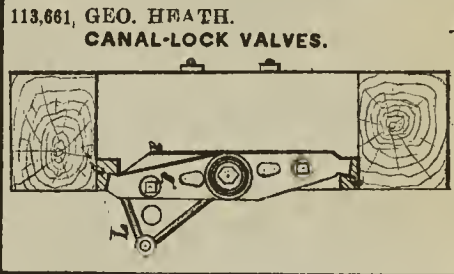
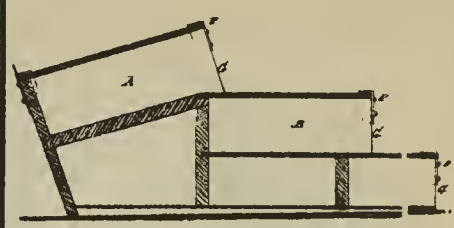
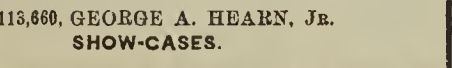
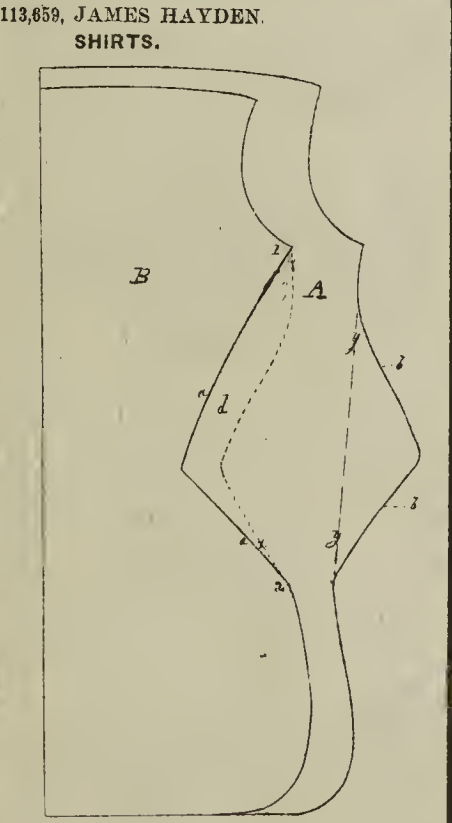
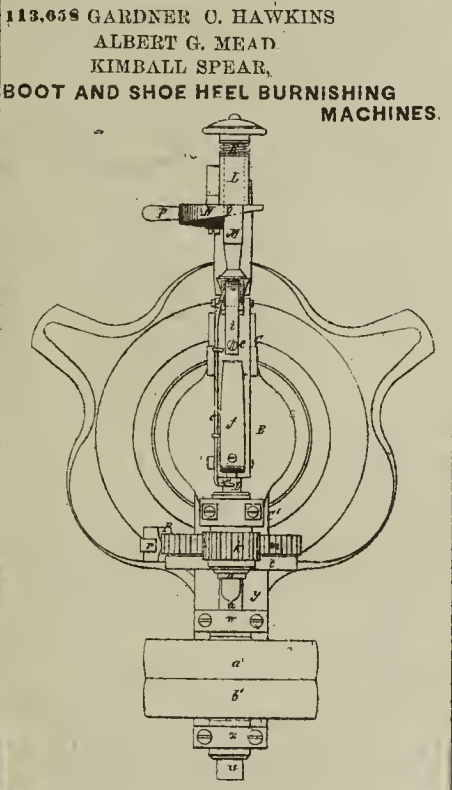
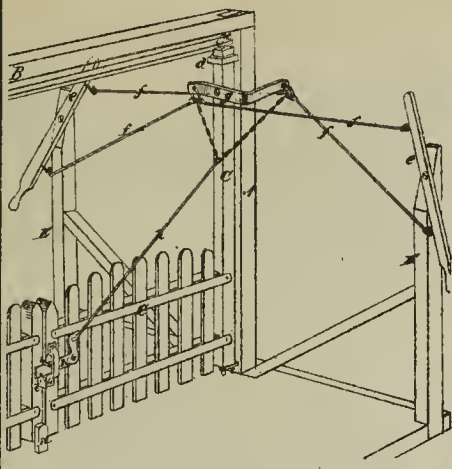
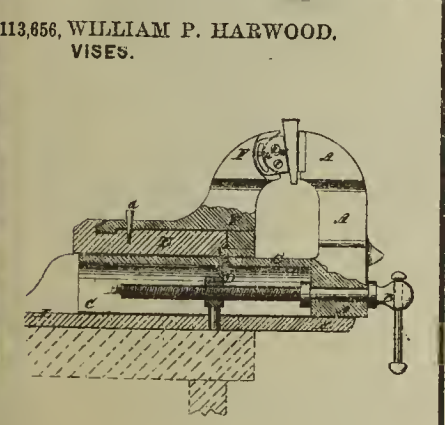
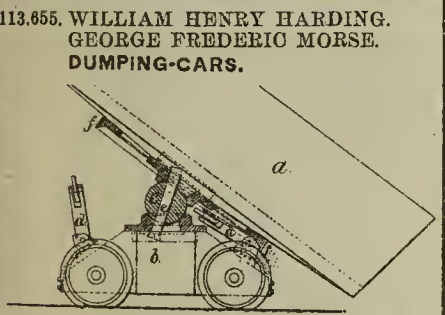
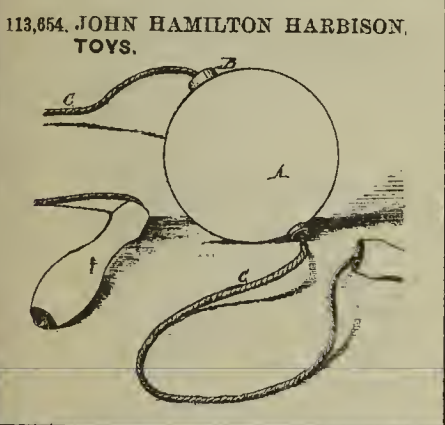
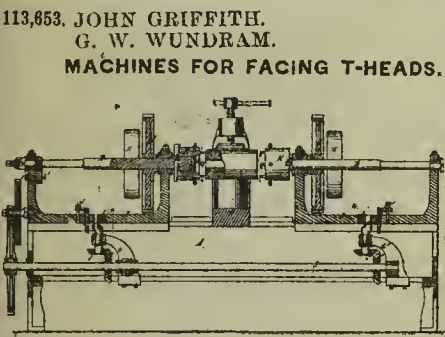
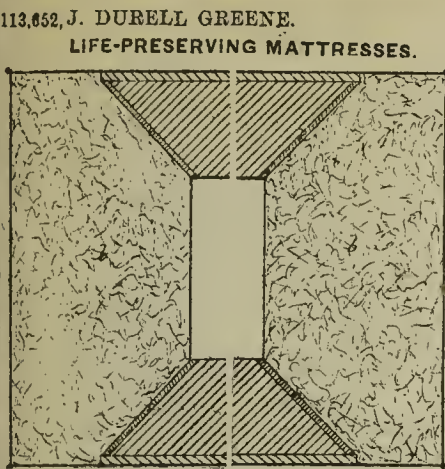


113,646, WM. FOSTER, JR.
PNEUMATIC SIGNALING APPARATUS.

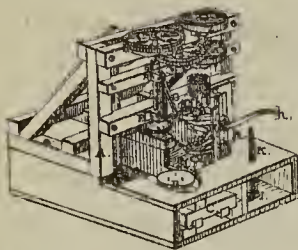


113,651, G. A. GRAY, JR.
TURNING AND BORING-MILLS.

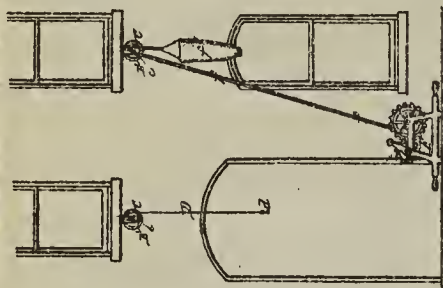




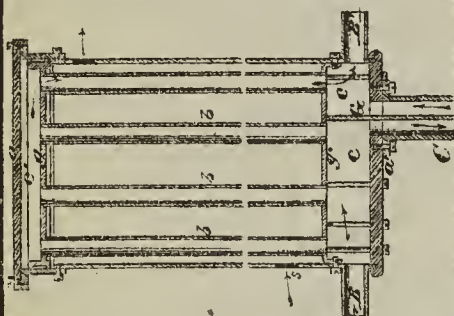
113,666, GEORGE M. HINKLEY.
MACHINES FOR SAPPING TIMBER
FOR SHINGLES.



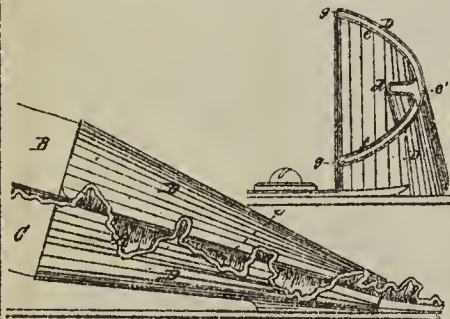
113,667, JOSEPH HOEFLINGER.
FIRE-ESCAPES.



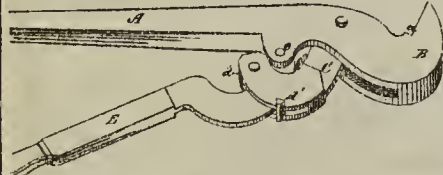
113,669, BIRDSILL HOLLY.
SURFACE-CONDENSERS.



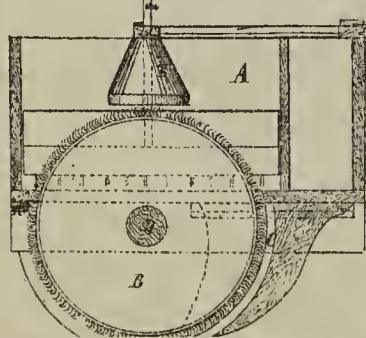
113,668, ELIJAH LEAVITT HOWARD.
RUFFLE-GUIDES AND BAND-FOLDERS
FOR SEWING-MACHINES.



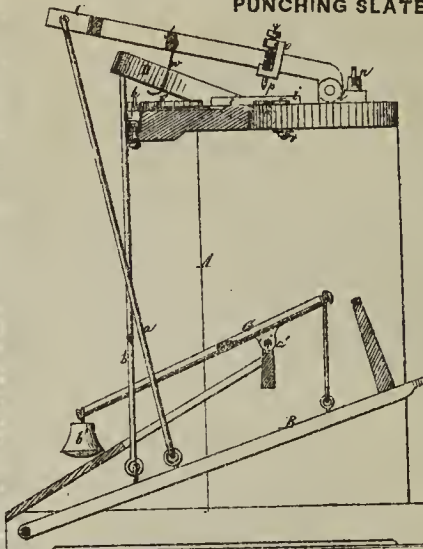
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MACHINES FOR SHARPENING
HORSESHOE CALKS.



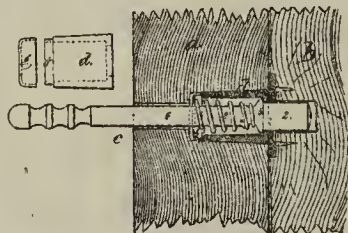
113,671 JNO. HUGHES.
COTTON-PLANTERS.



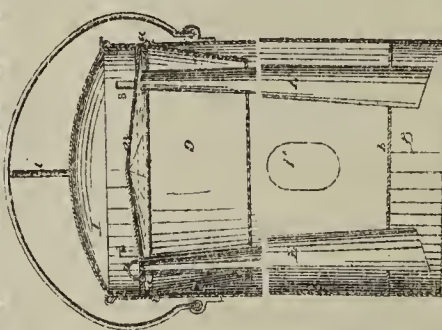
113,672, JULIUS JAEGER.
MACHINES FOR DRESSING AND
PUNCHING SLATES.



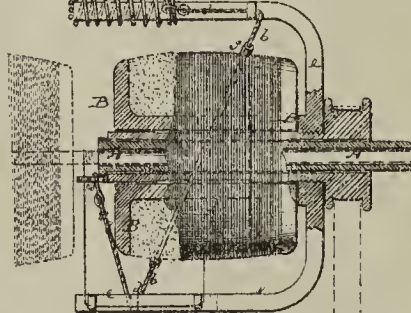
113,673, MORTON JUDD SASH-HOLDERS.



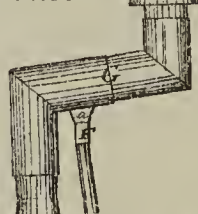
113,674, RICHARD H. KUPER.
COFFEE-POTS.



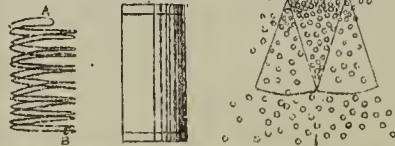
113,675, REUBEN LEWIS.
MACHINES FOR COVERING CORD.



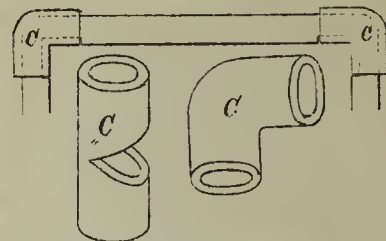
113,676, JACOB LINGENFELTER.
MILLSTONE EXHAUSTS.



113,677, CHAS. W. LOVETT, JR.
SHOT-CARTRIDGES.

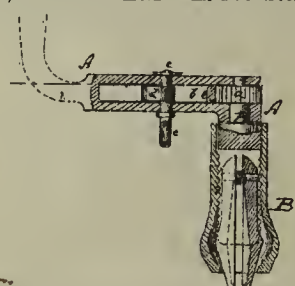


113,678, PETER LUGENBELL.
WILLIAM A. FORD.
SLATE-FRAMES.

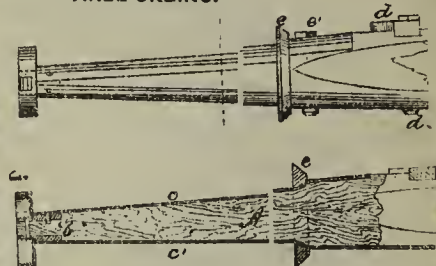


113,679, JOHN J. LUNDY.
LUBRICATING WOOL DURING THE
PROCESS OF MANUFACTURE.

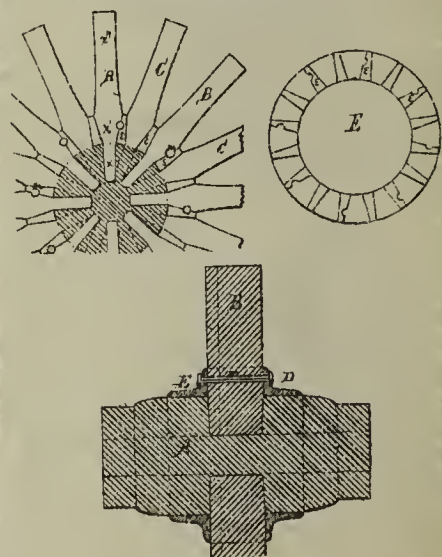
113,680, JOHN T. LYNAM. BIT-BRACES.



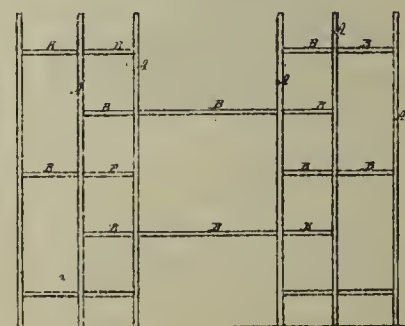
113,681, ORENZO MAYHEW.
AXLE-SKEINS.



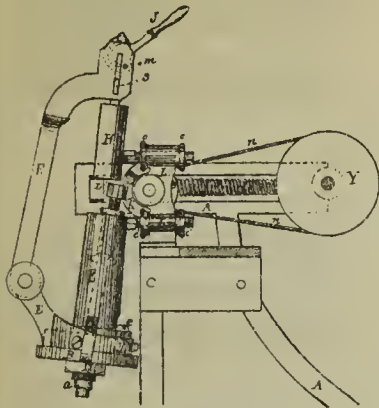
113,682, ROBERT W. MCCLELLAND.
WHEELS FOR VEHICLES.



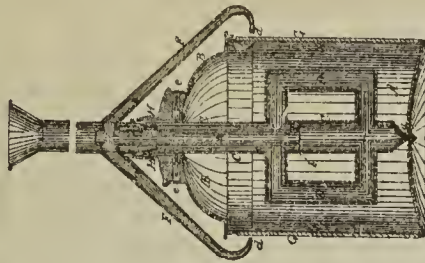
113,683, SOPHIA H. MERCER.
EXTENSIBLE SHELVING.



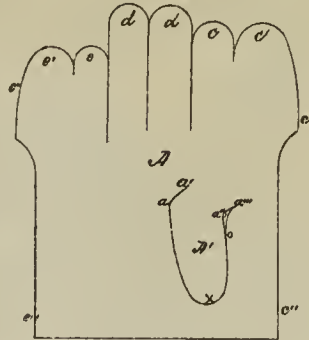
113,684 JOHN Q. MOULTON.
HEEL-TRIMMING MACHINES.



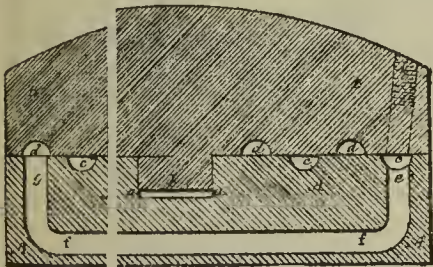
113,690 ALBERT NORTHROP.
MILK-COOLERS.



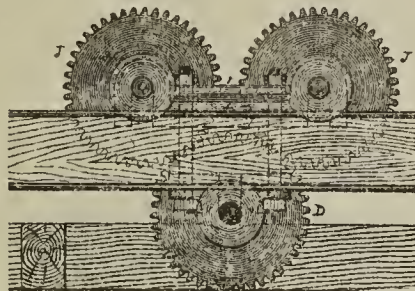
113,695 JOHN H. PUTMAN. GLOVES.



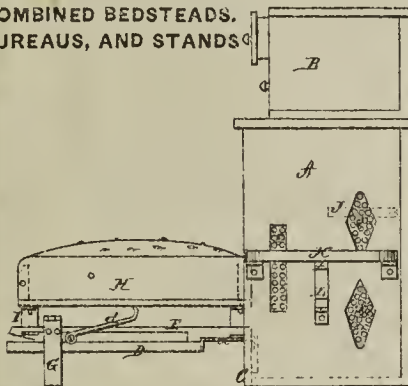
113,685 JOHN W. MURPHY
LUBRICATING PIVOTS FOR
TURN-TABLES.



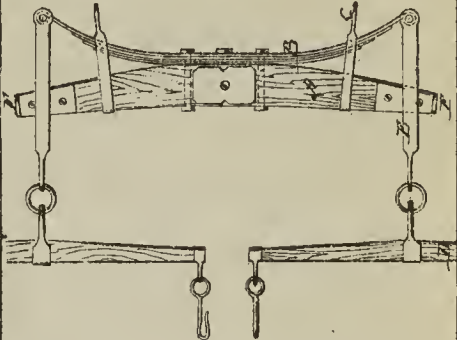
113,691 JASON C. OSGOOD.
EXCAVATORS.



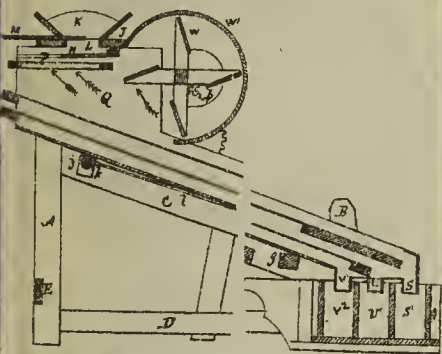
113,692 ANNA PARKER.
LEWIS A. PARKER.
COMBINED BEDSTEADS.
BUREAUS, AND STANDS



113,696 SAMUEL L. REYNOLDS.
JOHN W. REYNOLDS.
WHIFFLETREES.



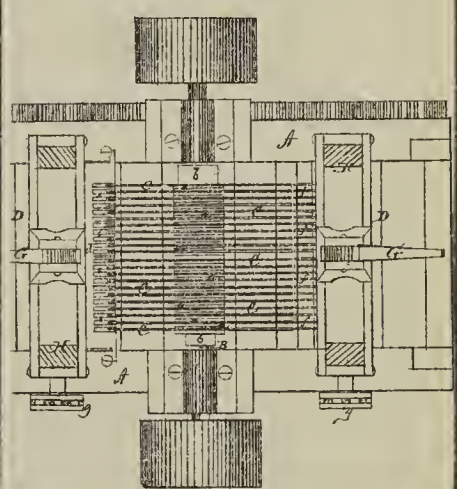
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MACHINES FOR CLEANING GRAIN.



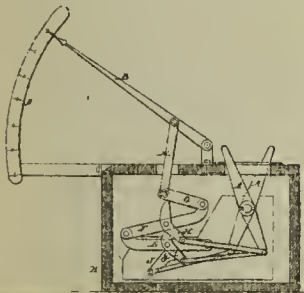
113,697 GEORGE RUMSEY.
SLIDING-DOOR HANGERS.



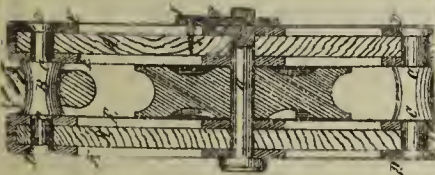
113,698 SAM'L S. SHERMAN.
H. B. GUNN.
SAWING-MACHINES.



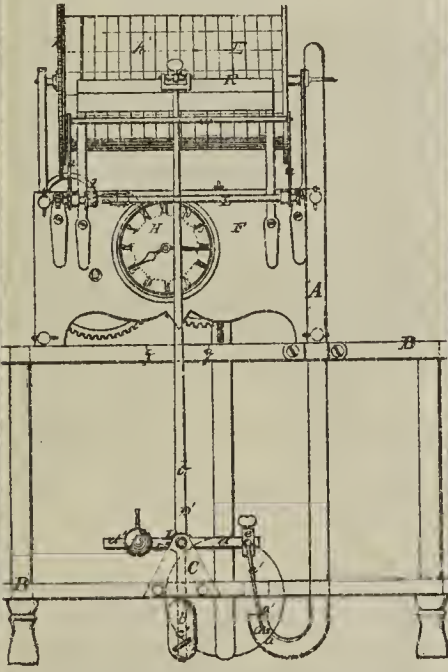
113,687 ARCHIBALD NIMMO.
MECHANICAL MOVEMENTS.



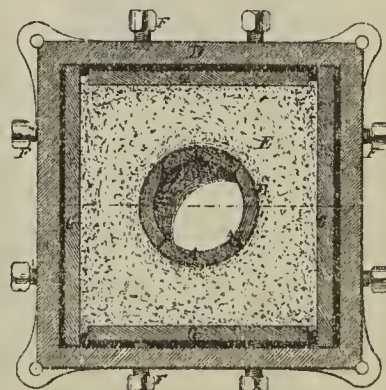
113,688 J. W. NORCROSS. PULLEY-BLOCKS



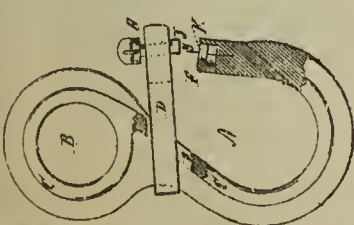
113,693 DAVID PEELOR.
SELF-RECORDING BAROMETERS.



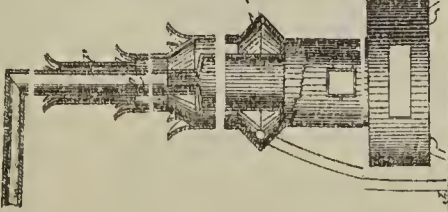
113,699 JOHN JOS. CHAS. SMITH.
DIES FOR TAKING IMPRESSIONS
FROM CLOTH, &c.



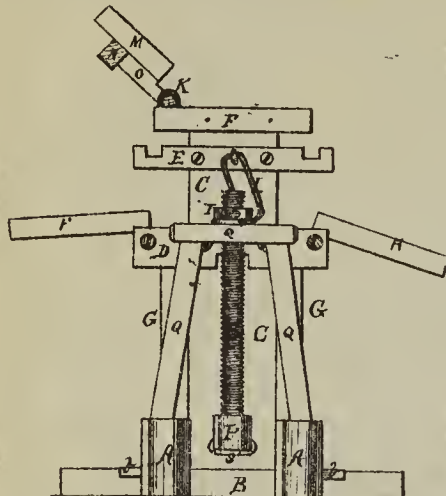
113,689 JOSEPH W. NORCROSS.
TACKLE-HOOKS.



113,694 WILLIAM L. PHILLIPS.
STOVE-PIPE DRUMS.



113,700. REUBEN STALLINGS.
COTTON AND HAY-PRESSES.

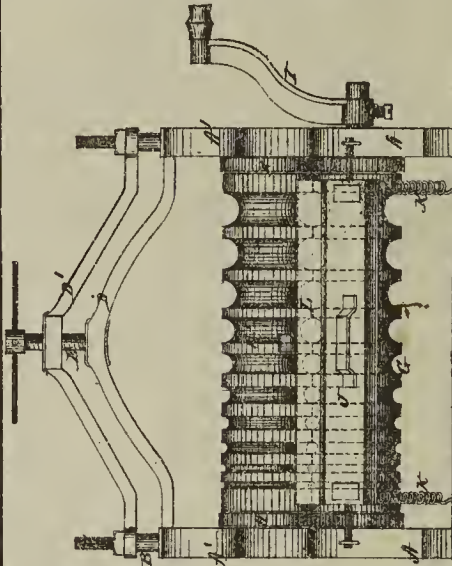


113,705. CHAUNCEY THOMAS
CARRIAGES.

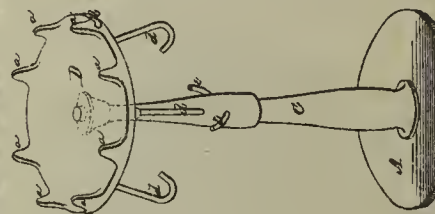


113,706. NATHAN H. THOMAS.
PRESERVING WOOD.

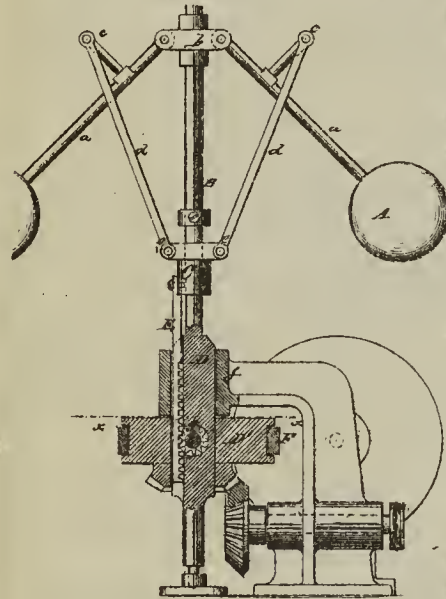
113,707. JAMES H. TIZZARD.
LEATHER-ROUNDING MACHINES.



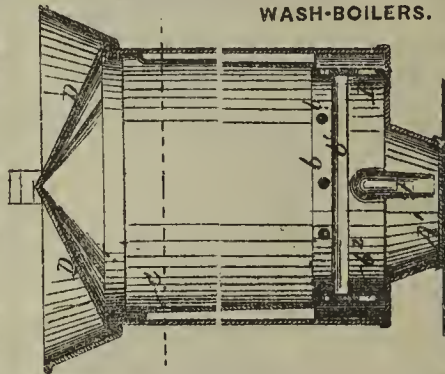
113,711. STEWART WATT.
STOVE UTENSIL-HOLDERS.



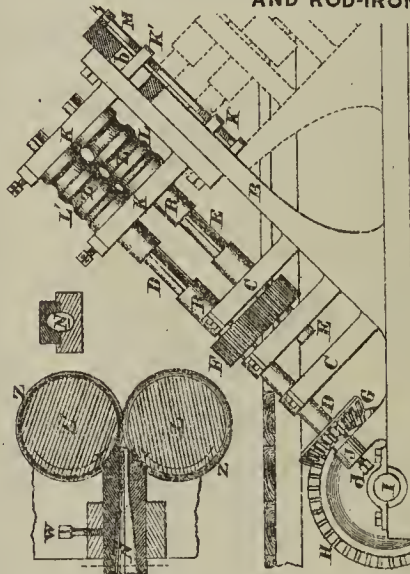
113,701. SAM'L STANTON.
VARIABLE ECCENTRICS FOR
STEAM-ENGINE GOVERNORS



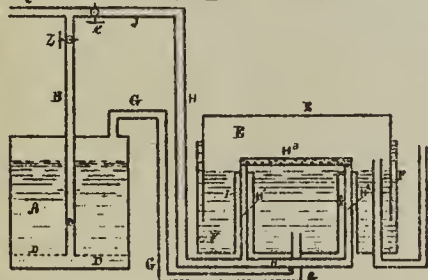
113,712. W. A. WELLS.
LYMAN P. CONVERSE.
WASH-BOILERS.



113,708. JAMES TRANTER.
JOSEPH KINSEY.
ROLLS FOR ROLLING HOOP, BAR,
AND ROD-IRON.

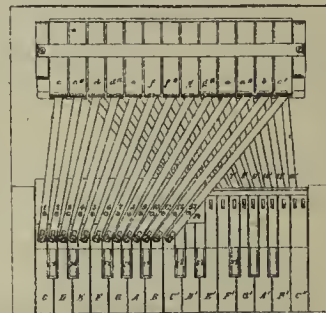


113,702. J. W. STOW.
MANUFACTURE OF PNEUMATIC
GAS FOR ILLUMINATING, &c.

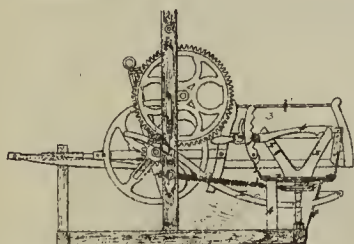


113,713. SAMUEL R. WHITLOW.
MEDICAL COMPOUNDS OR BITTERS

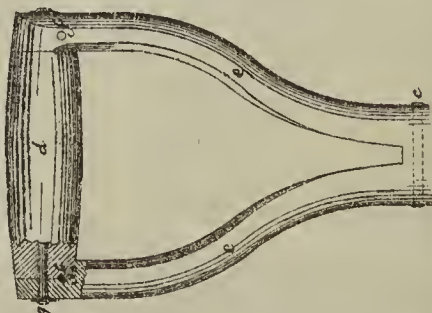
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REED-ORGANS.



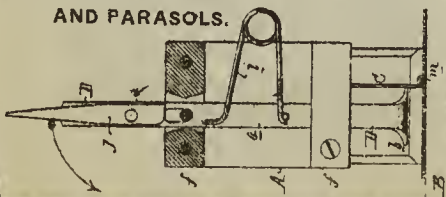
113,703. JEROME B. SWEETLAND.
SAWING-MACHINES.



113,709. HENRY C. TRASK.
SHOVEL-HANDLES.

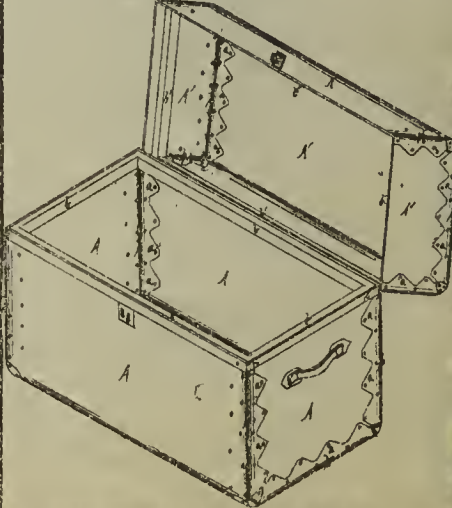


113,704. WM. J. TATE.
SEWING-MACHINES FOR UMBRELLAS
AND PARASOLS.

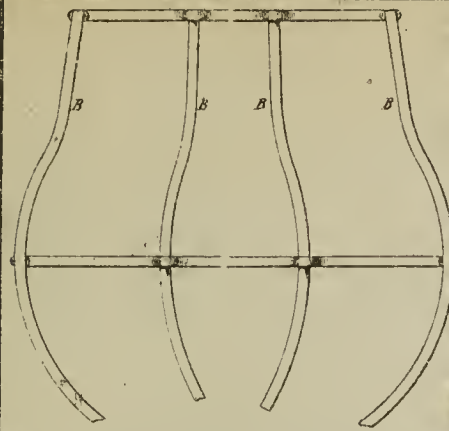
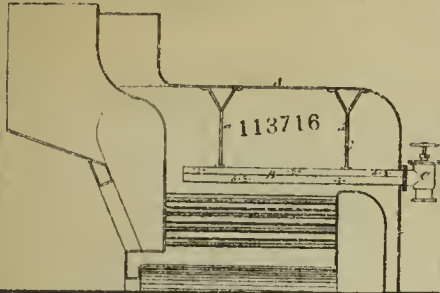


113,710. JAMES MONROE WALTERS.
WAGON-SPINDLES.

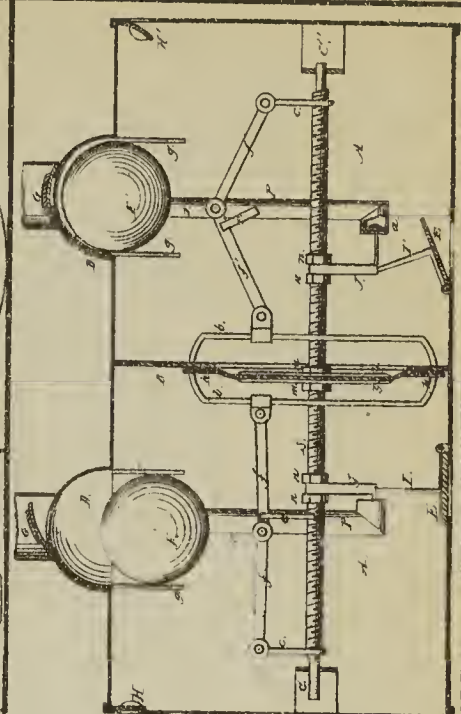
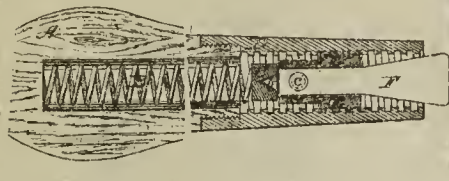
113,715. JOHN YOUNG. TRUNKS.



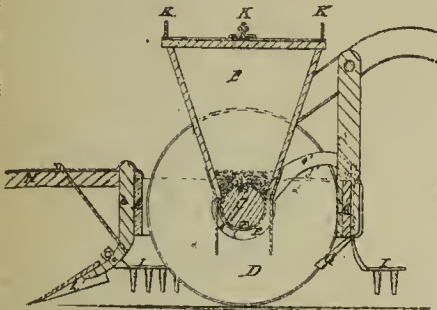
113.716, JAMES PERKINS.
SURFACE BLOW-OFF PIPES FOR BOILERS



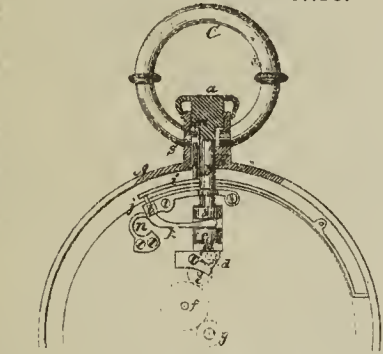
4,333, WILLIAM W. DRAPER.
TOOL-HOLDERS.



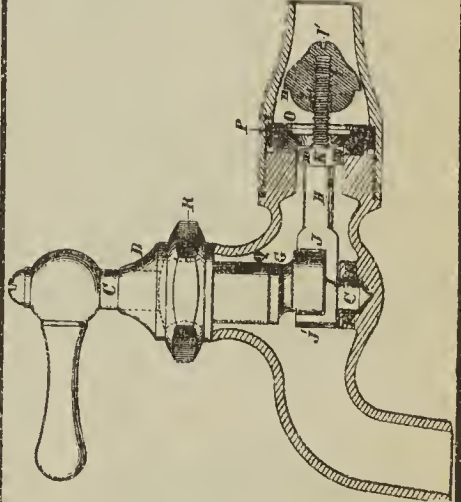
113.717, GEORGE W. LEWIS.
CORN-PLANTERS.



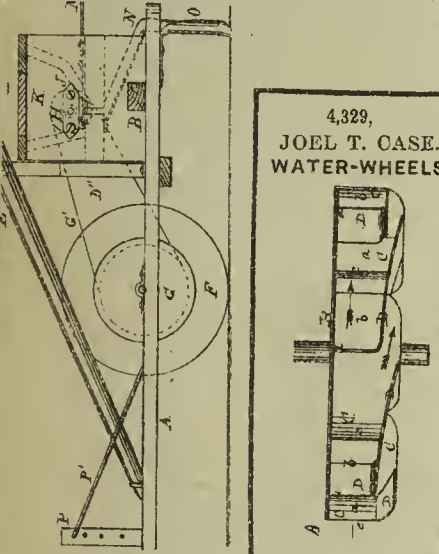
4,334, JULES JÜRGENSEN.
STEM-SETTING WATCHES.



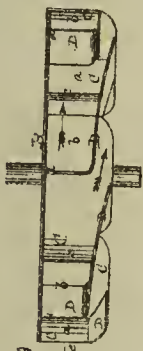
4,338, JAMES POWELL. FAUCETS.



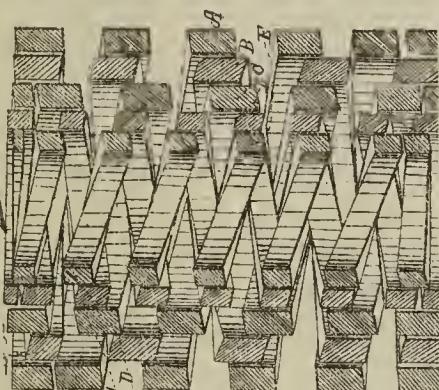
113.718, SAMUEL HIESTAND.
COMBINED PLANTERS AND SEEDERS.



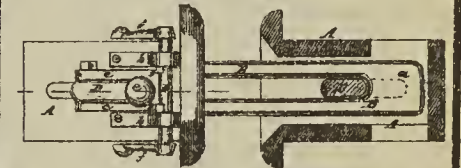
4,329,
JOEL T. CASE.
WATER-WHEELS



4,335, ALBERT HEBBARD,
JNO. P. ONDERDONK.
CAR-SPRINGS



4,339, W. B. SNEDAKER.
CAR-COUPPLINGS.

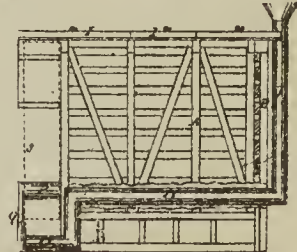


4,324, JOSEPH ALBERT.
PRINTING PHOTOGRAPHS.

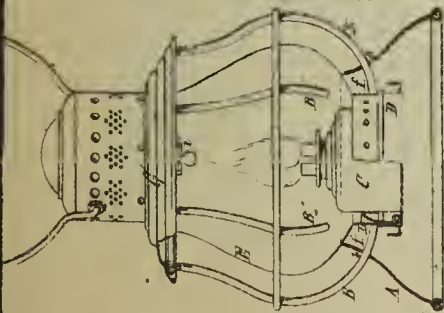
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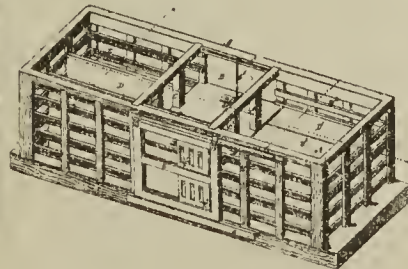
4,340, JOHN W. STREET.
CATTLE-CARS.



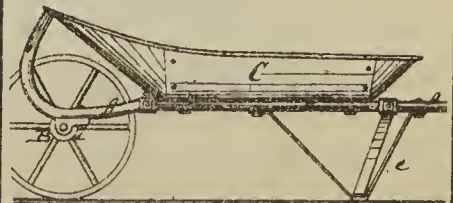
4,331, W. H. BONNELL. LANTERNS.



4,336, LEE SWEARINGEN. STOCK-CARS.



4,341, BECKWITH W. TUTHILL.
WHEELBARROW-FRAMES.

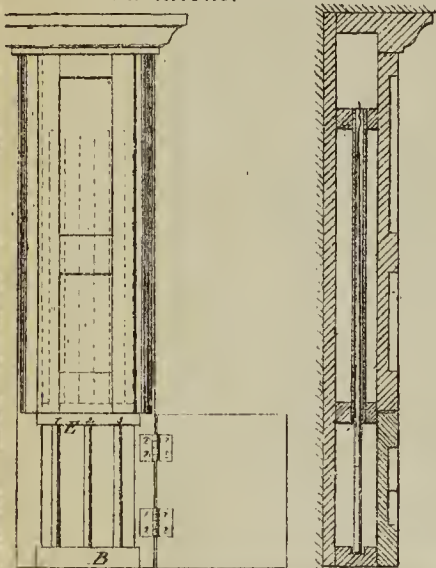


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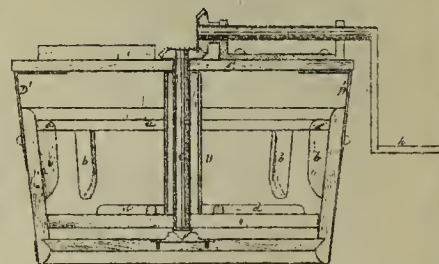
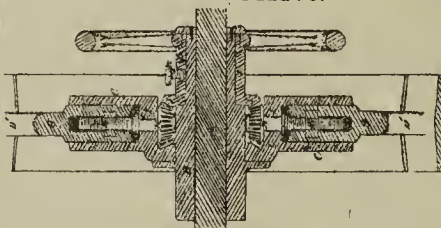
4,337, JOHN S. PATRIC.
AIR-COMPRESSING APPARATUS.

ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
APRIL 18, 1871.

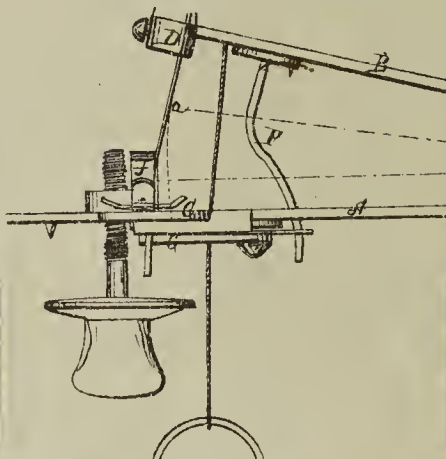
113,719, ROBERT J. ANDERSON.
WHIP-RACKS.



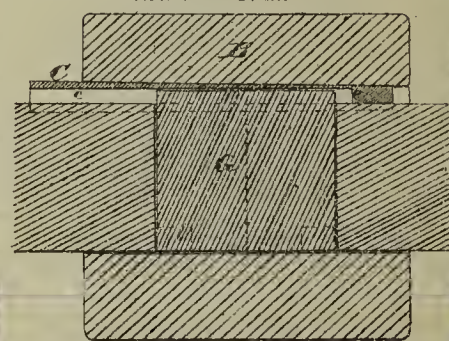
113,723, GEO. S. BARTON.
EXPANDING PULLEYS.



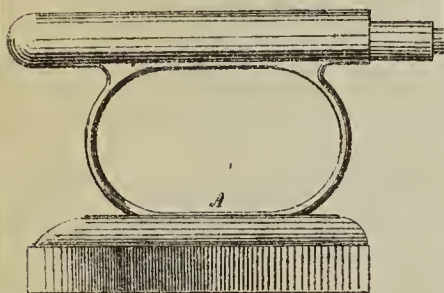
113,724, WILLIAM G. BECKWITH.
SEWING-MACHINES.



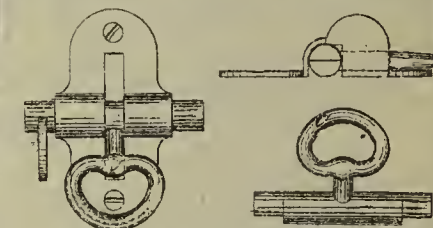
113,728, JAMES H. BLESSING.
SHAFT-COUPPLINGS.



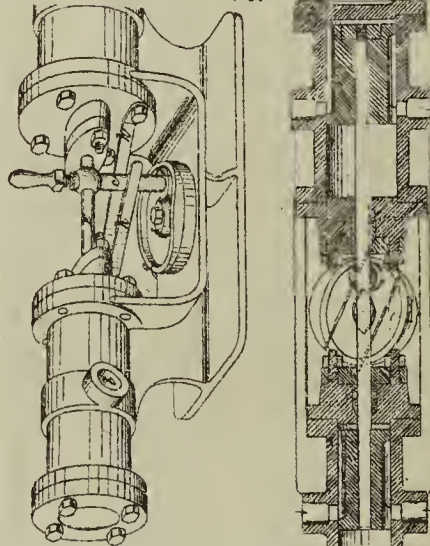
113,720, AARON R. ARMSTRONG.
CHARLES S. DUDLEY.
SMOOTHING AND RUFFLE-IRONS.



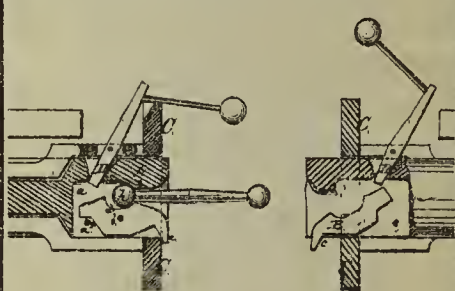
113,729, ELI S. BITNER. DOOR-LATCHES.



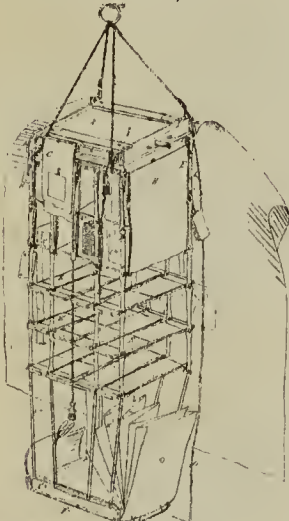
113,725, WILLIAM BAXTER.
STEAM-PUMPS.



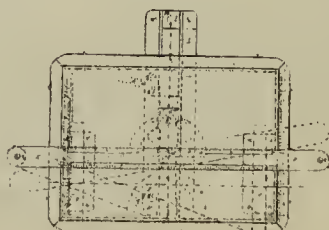
113,730, LYCURGUS J. BOSWORTH.
CAR-COUPPLINGS.



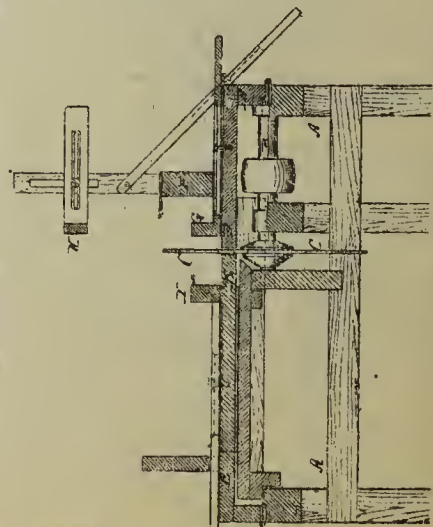
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PAPER-FILES,



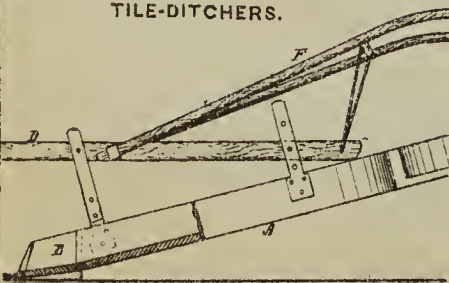
113,726, THEODORE BERGNER. RULER
ATTACHMENTS FOR DRAWING-BOARDS.



113,731, MELTON S. BOURLAND.
TENONING-MACHINES.

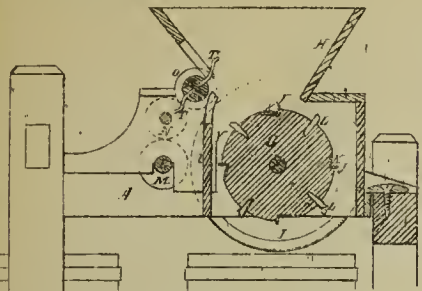


113,722, ISAAC T. BAKER.
TILE-DITCHERS.

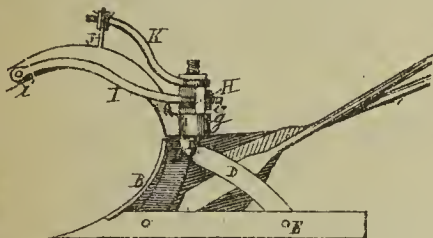


113,727, CHARLES HEZLETON BERRY.
WASHING-MACHINES.

113,732, JESSE BOWEN.
AARON T. FOSTER. CIDER-MILLS.

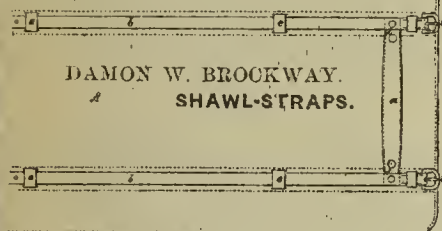


113,733, WALTER BRITTON. PLOWS

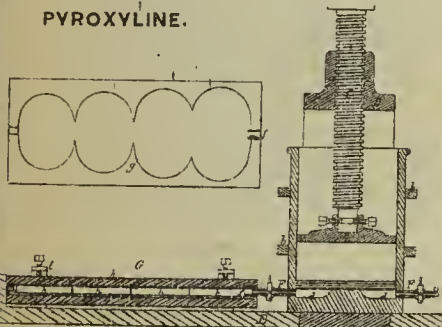


113,734,

DAMON W. BROCKWAY.
SHAWL-STRAPS.



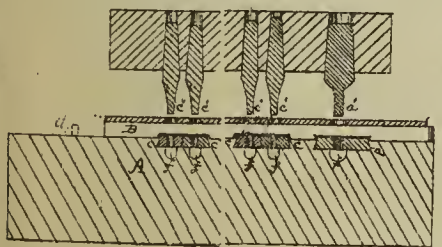
113,735, JOSEPHUS BROCKWAY.
APPARATUS FOR COMPRESSING,
STRAINING, AND MOLDING PLASTIC
PYROXYLINE.



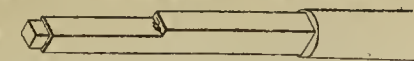
113,736, JOSEPHUS BROCKWAY.
MANUFACTURE OF DENTAL-PLATES
FROM PYROXYLINE.



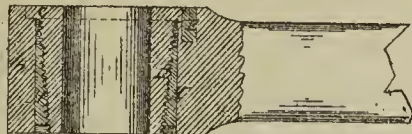
113,737, PETER BROOKS. MACHINES
FOR PUNCHING CORSET-SPRINGS.



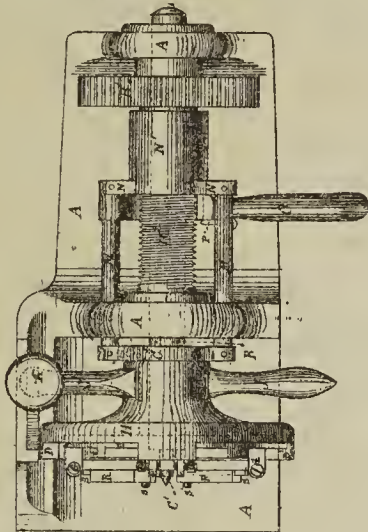
113,738, LEVERETT BROWN.
THE MODES OF ATTACHING TOPMASTS
AND TOP-GALLANT-MASTS.



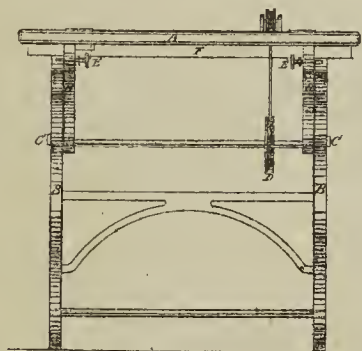
113,739, M. C. BULLOCK.
SELF-CENTERING BOXES OR BEARINGS.



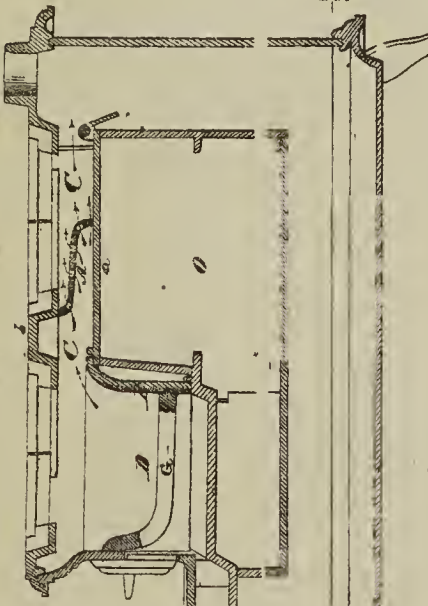
113,740, JAMES M. CARPENTER.
MACHINES FOR CUTTING SCREWS.



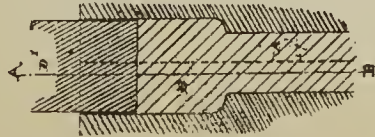
113,741, EDWIN CHESTERMAN. TABLES
FOR SEWING AND KNITTING-MACHINES



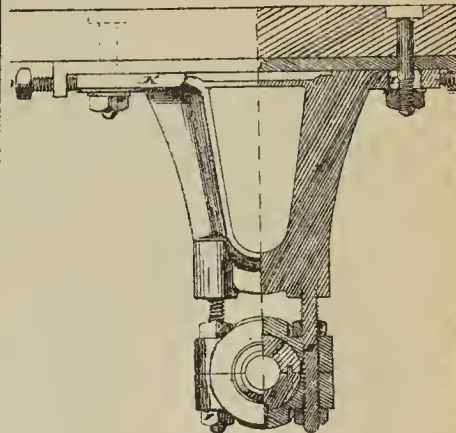
113,742, FRANKLIN CLEMENT.
COOKING-STOVES.



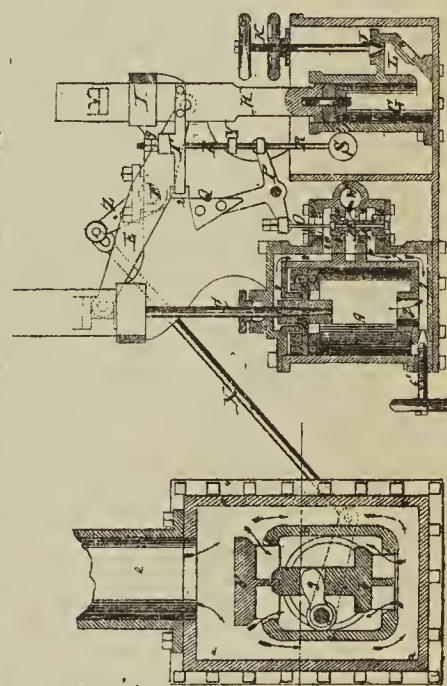
113,743, AURY G. COES. THE MODES OF
FORMING THE HEADS OF WRENCH-BARS



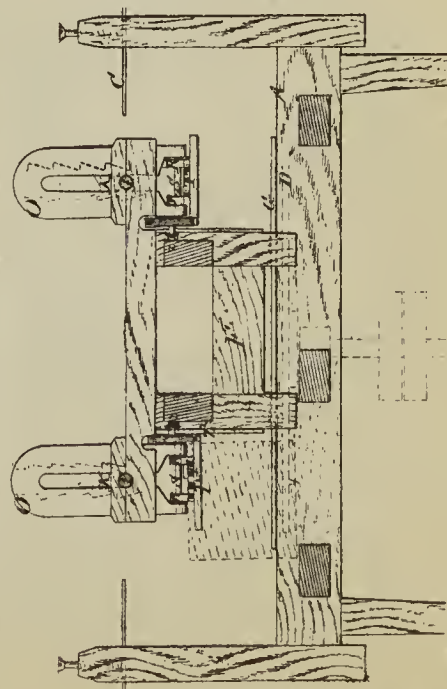
113,744, ALFRED B. COUCH.
HANGERS FOR REVOLVING SHAFTING.



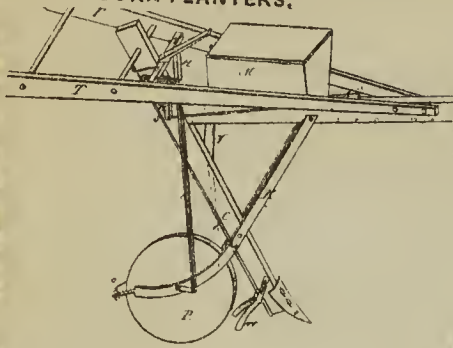
113,745, HENRY DAVIES.
CUT-OFFS FOR BLAST-FURNACES



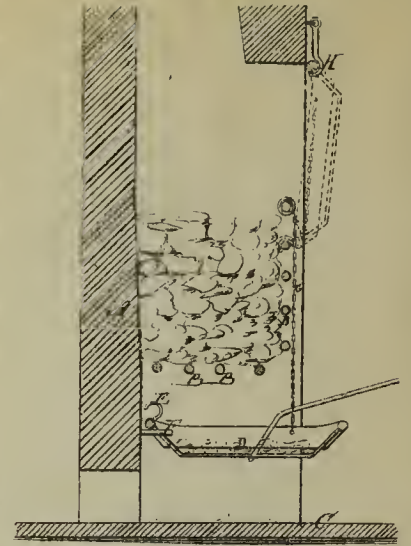
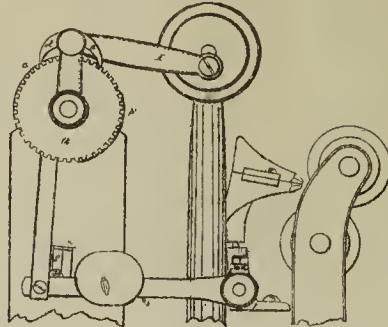
113,746, JAMES DECKER.
SHINGLE-MACHINES.



113,747, J. DYSON DELAP.
CORN-PLANTERS.



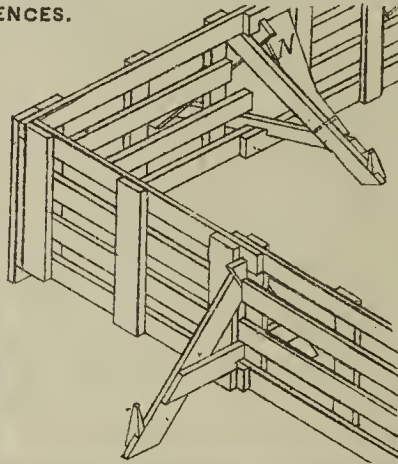
113,752, GEORGE DRAPER.
DRAWING-FRAMES.



113,748, GEORGE R. DEXTER. SCARFS.

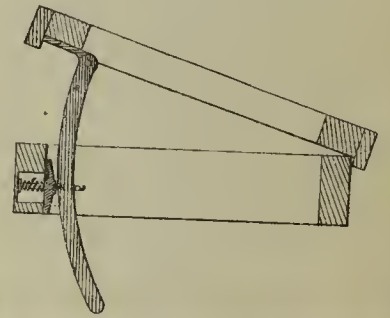


113,753, JAMES T. DRUMMOND.
FENCES.

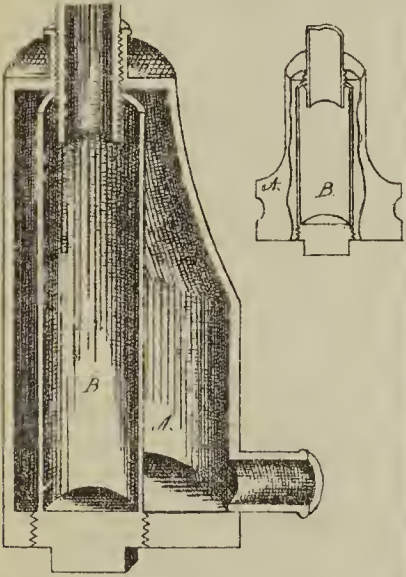


113,758, BENJAMIN GEORGE GEORGE.
ORNAMENTATION OF METAL, GLASS.

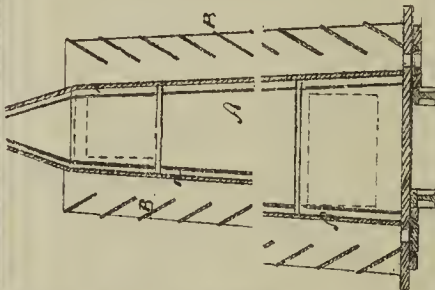
113,759, THOMAS J. GIFFORD.
SCUTTLE FASTENINGS.



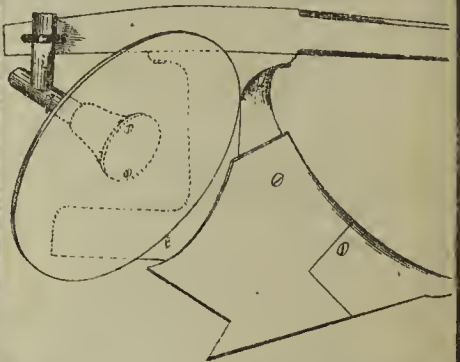
113,749, MARTIN N. DIAL.
DIRT-CHAMBERS FOR GAS-PIPES.



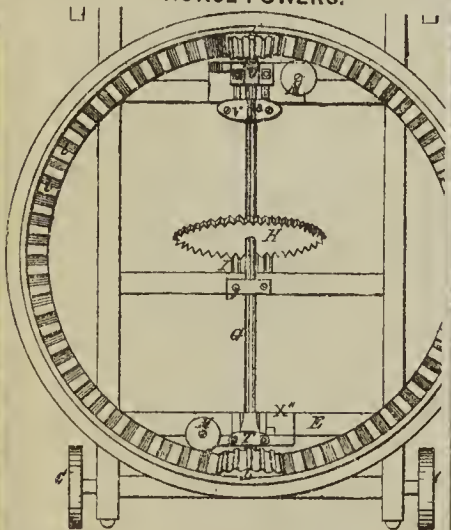
113,754, PETER FARLEY.
DRYING BONE-BLACK.



113,760, JOSEPH S. GODFREY.
REVOLVING MOLD-BOARDS FOR PLOWS.

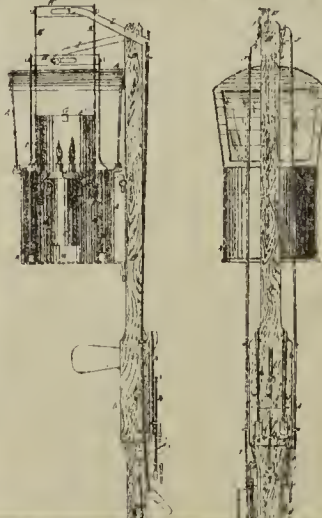


113,750, WILLIAM W. DINGEE.
HORSE-POWERS.



113,755, ALONZO FARRAR.
COMPOSITIONS FOR PRINTING
OR PAINTING ON SURFACES.

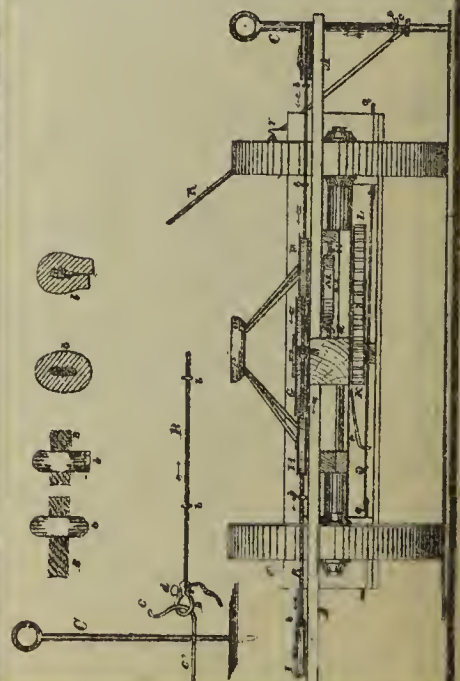
113,756, JOHN FOGARTY.
SIGNALS FOR RAILROADS.

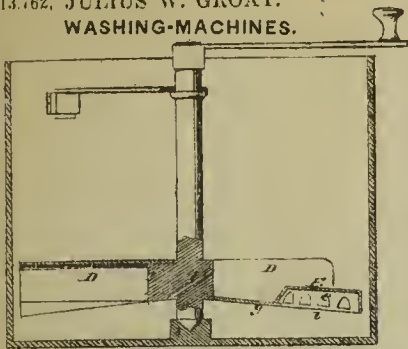
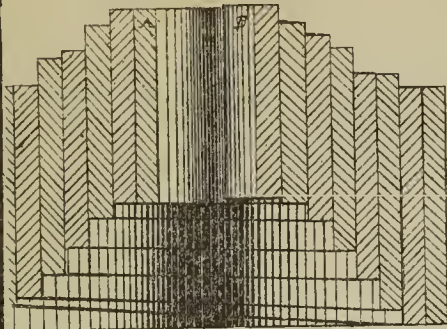
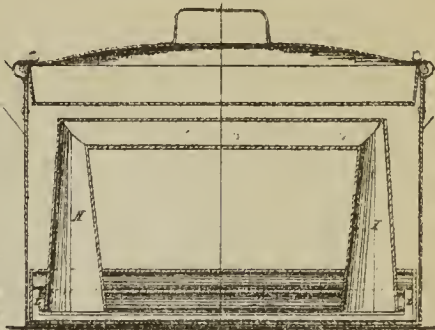
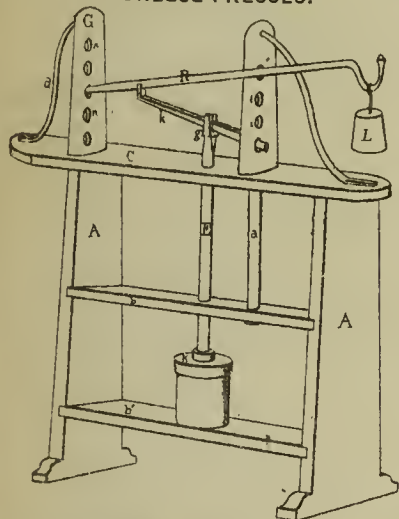
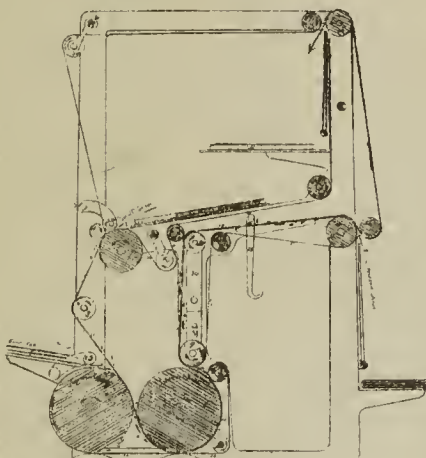
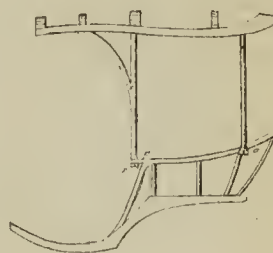
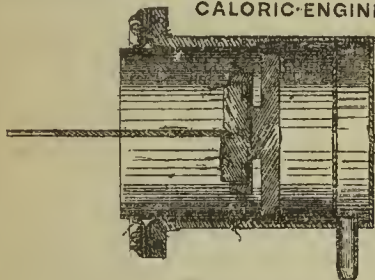
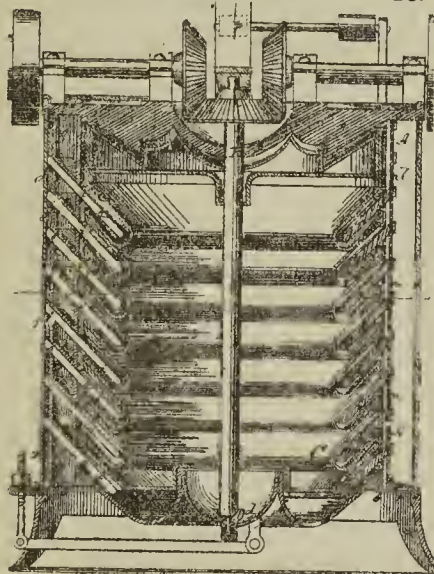
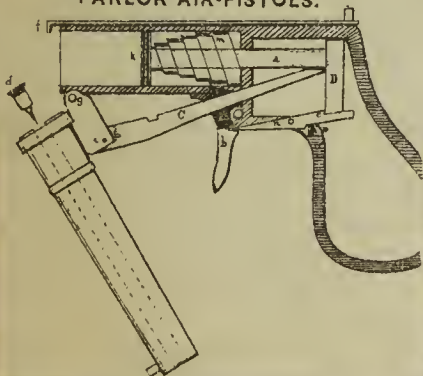
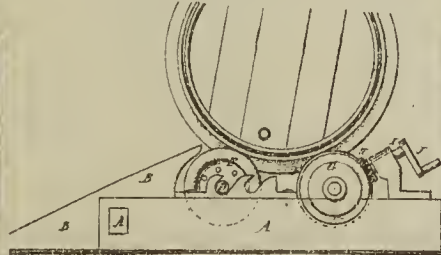
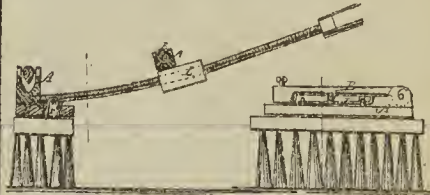
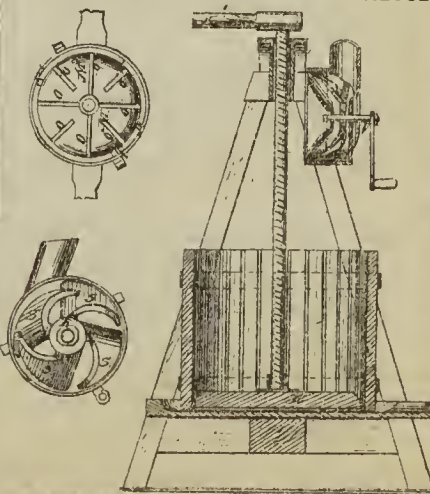
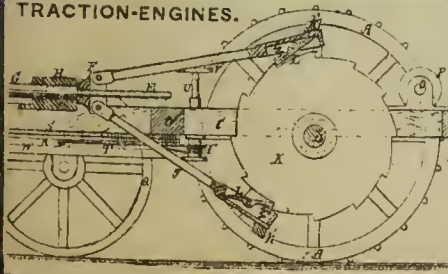
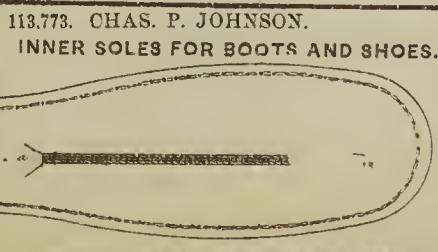
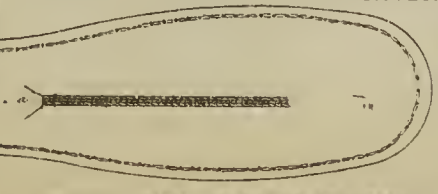


113,751, LOUIS DOVELL.
BOTTLE-STOPPERS.

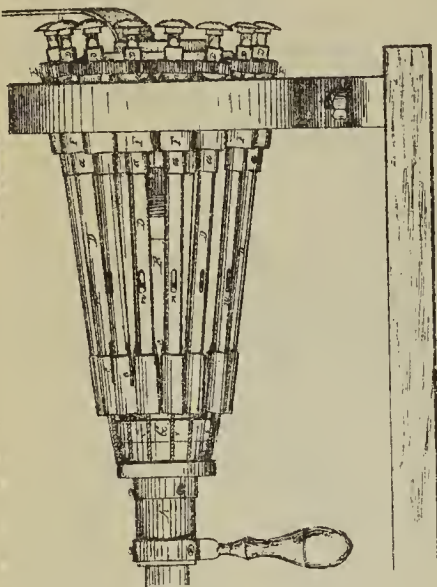


113,757, WILLIAM H. GARRETT.
FIRE-PLACE GRATES.

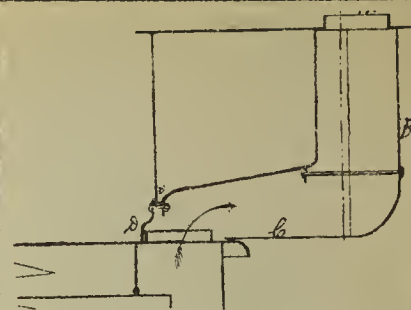
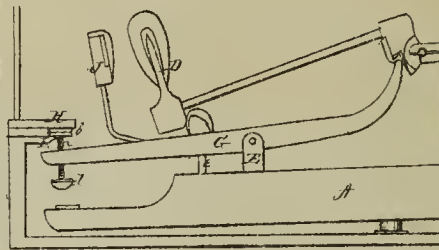


113,762, JULIUS W. GROAT.
WASHING-MACHINES.113,768, ALBERT HEBBARD.
CAR-SPRINGS.113,774, ORLANDO L. KENYON.
EDWIN B. PALMER.
WASH-BOILERS.113,763, CHARLES L. HAINES.
CHEESE-PRESSES.113,769, RICH'D. M. HOE.
PRINTING-PRESSES.113,775, CHARLES P. KIMBALL.
SHIFTING TOPS FOR BASKET-PHAETONS113,764, WILLIAM T. HALLEFAS.
CALORIC-ENGINES.113,770, MICHAEL HOFFMANN.
GRAIN-HULLING MACHINES.113,765, JOHN R. ^{his} HARRINGTON.
^{mark}
CARPET-LININGS.113,766, BENJ. HAVILAND.
GEO. P. GUNN.
PARLOR AIR-PISTOLS.113,771, LEWIS L. HYATT.
ADOLPH G. HÜPFEL.
BARREL-ROLLING APPARATUS.113,777, MILTON W. KIRKWOOD.
SOLOMON H. RILEY.
MOPS.113,778, DANIEL H. KRAUSER.
COMBINED CIDER-MILLS AND PRESSES113,767, JOHN W. HAZEN.
TRACTION-ENGINES.113,772, ELIAS INGRAHAM
THE APPLICATION OF BRONZE AND
GILDING TO PLATE GLASS.113,773, CHAS. P. JOHNSON.
INNER SOLES FOR BOOTS AND SHOES.

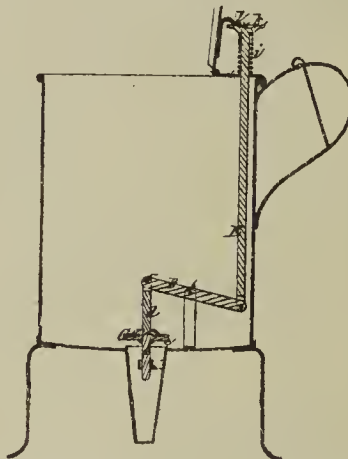
113,779. CYRUS H. LATHAM.
MACHINES FOR MAKING WIRE CYLINDER



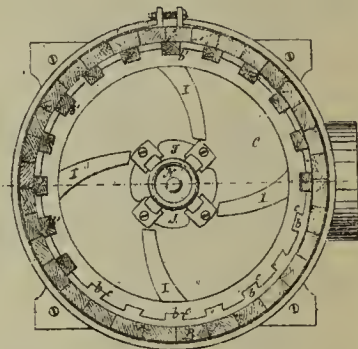
113,785. F. B. MCGREGOR.
PIANO-FORTE ACTIONS.



113,786. WILLIAM H. MUMLER.
LIQUID RECEPTACLES AND FUNNELS



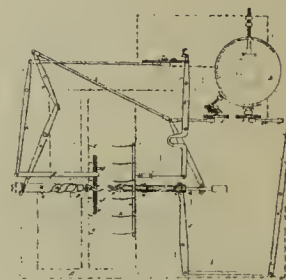
113,791. IRA S. PARKE. AMALGAMATING
-PANS FOR GOLD AND SILVER-ORES.



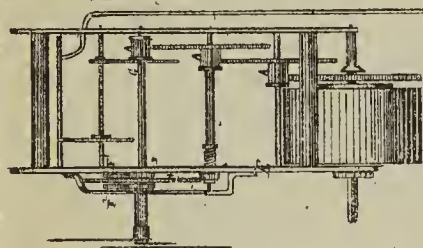
113,780. CHRISTOPHER P. LAWTON.
NECK-TIE RETAINERS.



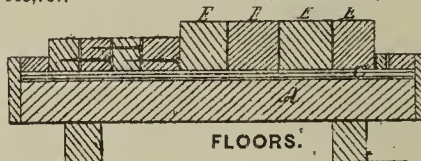
113,792. PREVIZE A. PERRY,
GRAIN-BINDERS.



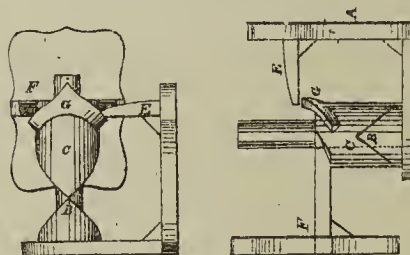
113,781. BENJAMIN B. LEWIS.
CLOCK-MOVEMENTS.



113,787. TOBIAS NEW. WATER-PROOF

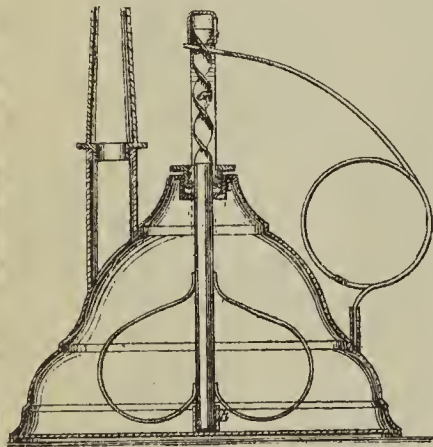


113,788. EDWIN D. NORTON.
HINGES FOR GATES.

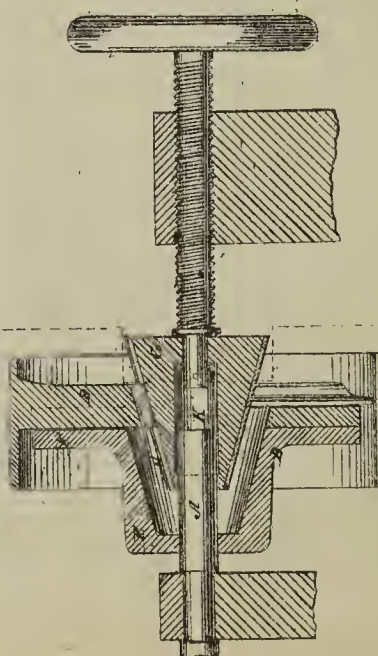


113,782. ROBERT G. LOFTUS.
PURIFICATIONS OF OILS AND FATS BY
ACIDS.

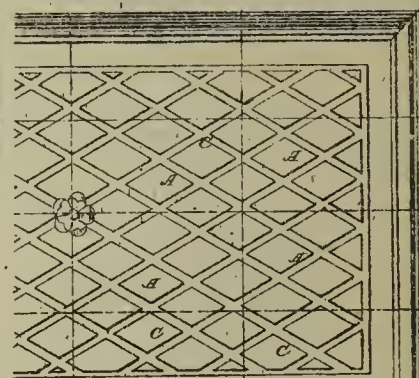
113,783. DONALD D. MACKAY.
CYRUS BUTLER.
PLUMBAGO OIL-CANS.



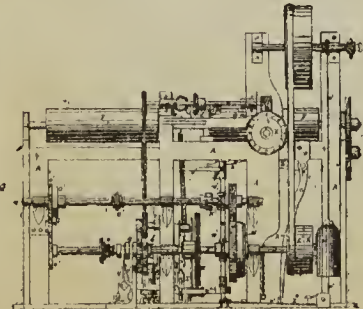
113,789. WILLIAM ONIONS.
ISAAC BAGNALL.
EXTENSION PULLEYS.



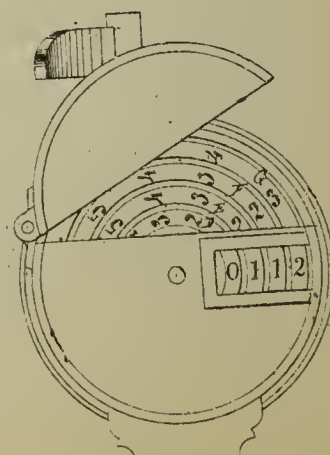
113,793. CHARLES N. POOLE.
CEILINGS AND WALLS FOR BUILDINGS.



113,784. PETER MCGOVERN.
SELF-ACTING JACKS FOR SPINNING.

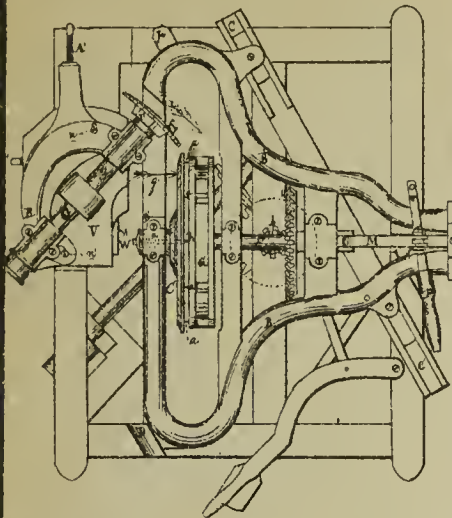


113,794. CHARLES W. PYLE.
COUNTING-REGISTERS.



113,790. DANL. E. PARIS.
COOKING-STOVES.

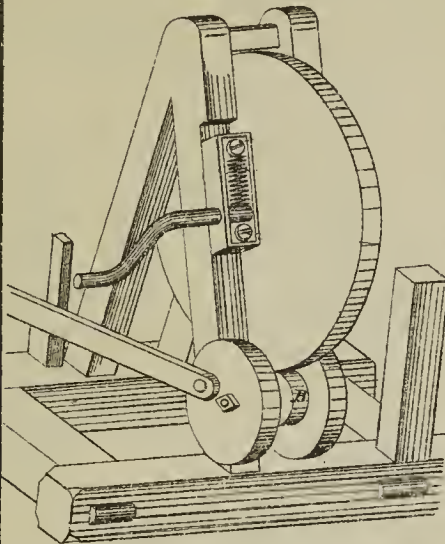
113,795, JOHN JACKSON RALYA.
MACHINES FOR TURNING BARREL-HEAD



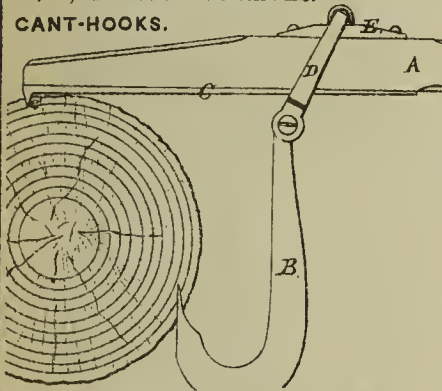
113,800, NATHANIEL RUSSELL.
PLANING-TOOLS.



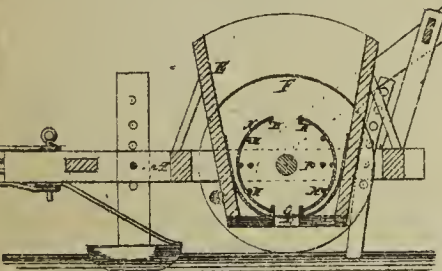
113,801, RICHARD SAMMER.
APPARATUS FOR CONVERTING ROTARY
INTO RECIPROCATING MOTION
BY MEANS OF FRICTION.



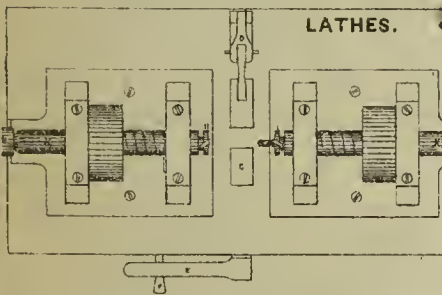
113,796, ALFRED B. REEVES.
CANT-HOOKS.



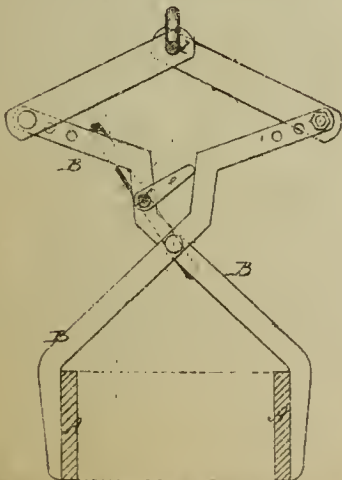
113,797, LEONIDAS M. RHODES.
GUANO, AND SEED-DRILLS.



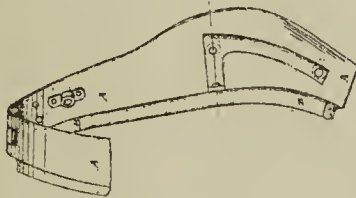
113,798, JOHN F. C. RIDER.
EMERSON P. BROWNELL.



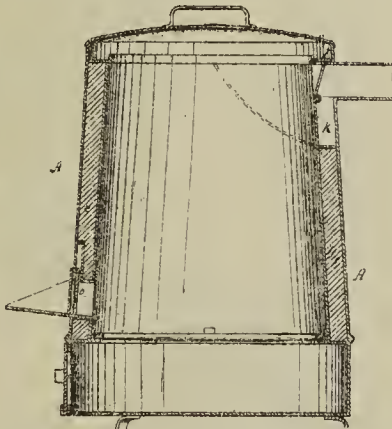
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K. JULIEN RUGG.
BRICK-LIFTERS



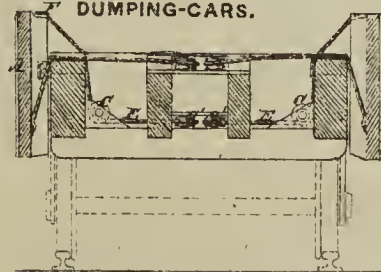
113,802, JOHN W. SCHWANER.
HORSE-COLLARS.



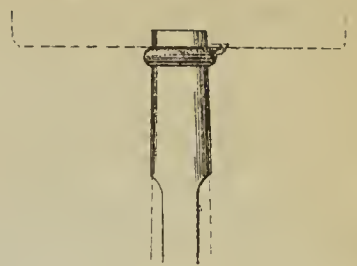
113,803, CONRAD SEIMEL.
SOLDERING-FURNACES.



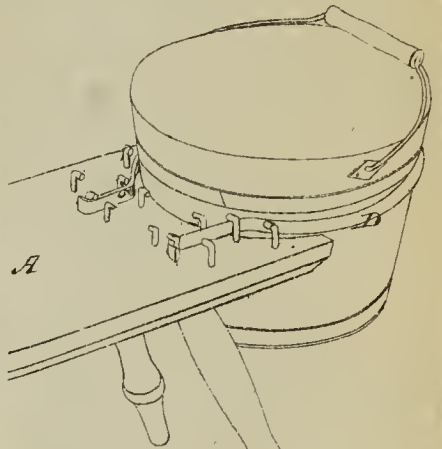
113,804, WM. A. SHARP.
DUMPING-CARS.



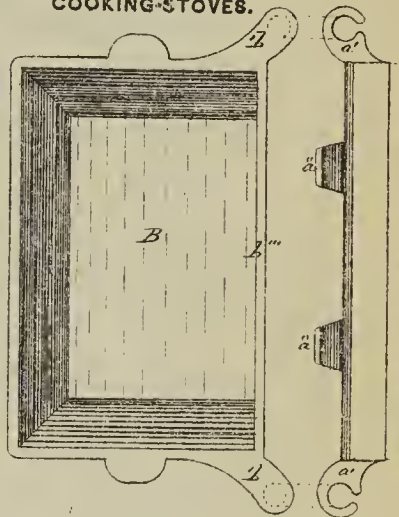
113,805, DOLPHIN G. SMITH,
FERRULES.



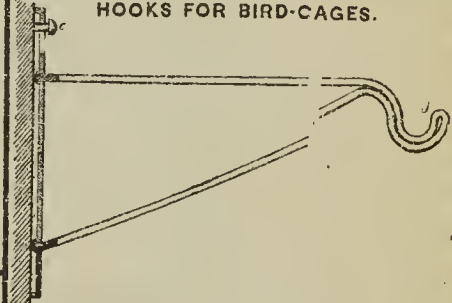
113,806, GEORGE SMITH.
MILKING-STOOLS.



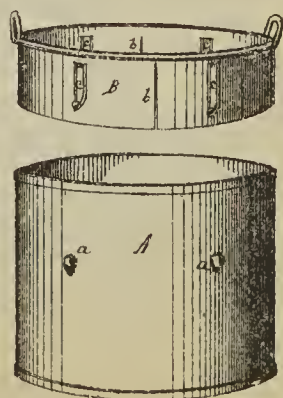
113,807, SAMUEL SMITH.
COOKING-STOVES.



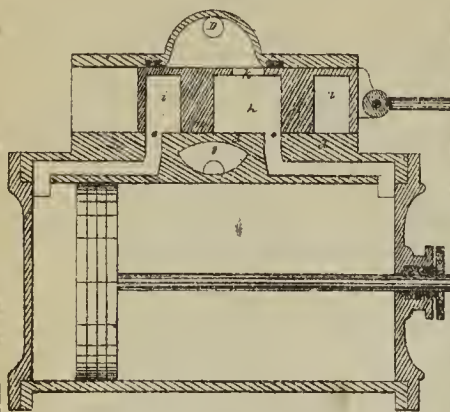
113,808, J. M. SPRING.
HOOKS FOR BIRD-CAGES.



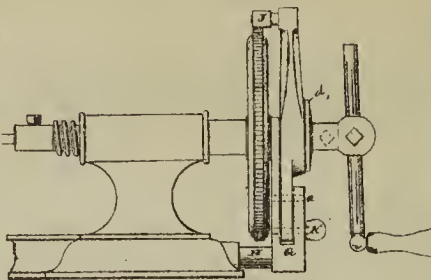
113,809, WILLIAM STERNBERG.
CHEESE-HOOPS.



113,810, NATHAN PAGE STEVENS.
STEAM-ENGINE VALVES.

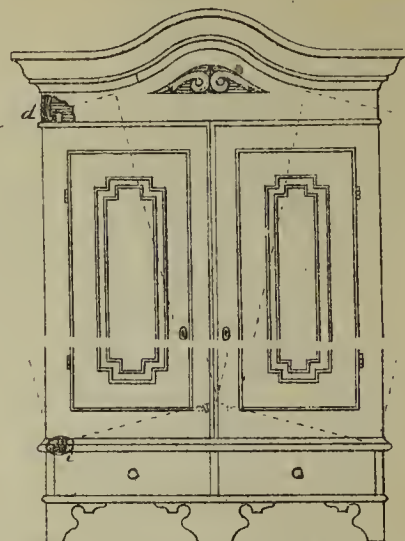


113,815, GEO. C. TAFT.
DRILLING-MACHINES.

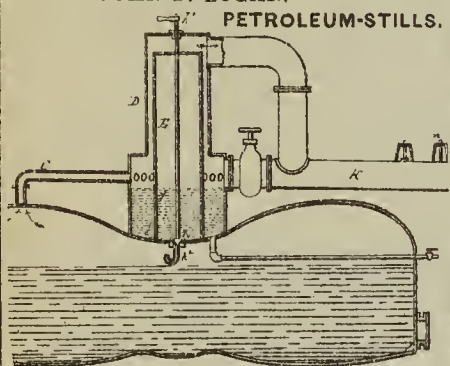


113,820, GUILLAUME VIQUE.
DISINFECTING COMPOUNDS.

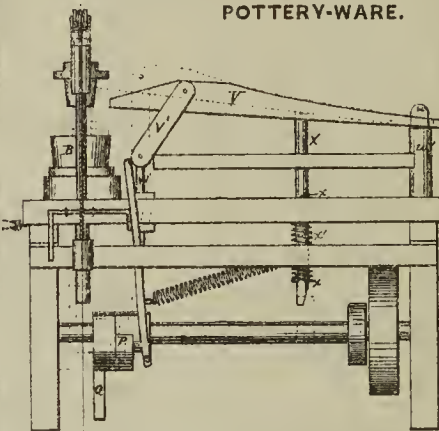
113,821, FERDENAND F. VOIGT.
WARDROBES AND BOOK-CASES.



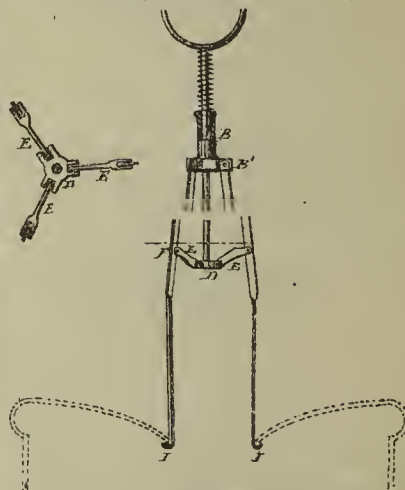
113,811, JOHN L. STEWART.
JOHN P. LOGAN.
PETROLEUM-STILLS.



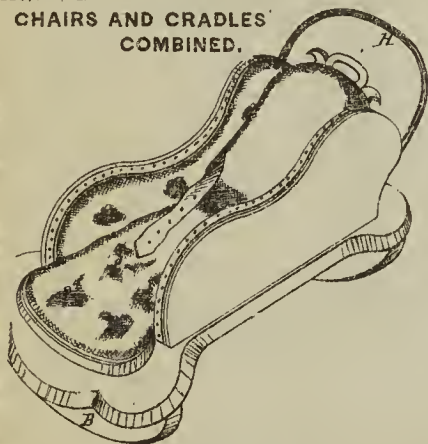
113,816, SAMUEL R. THOMPSON.
MACHINES FOR MAKING
POTTERY-WARE.



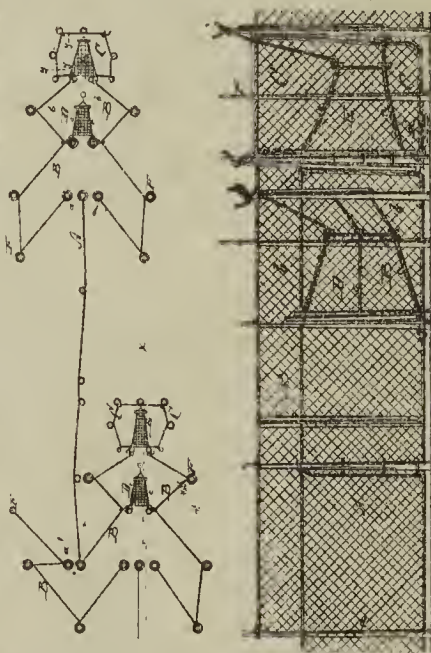
113,822, JAMES WALKER.
HENRY F. LILLY.
LIFTERS FOR SPITTOONS,



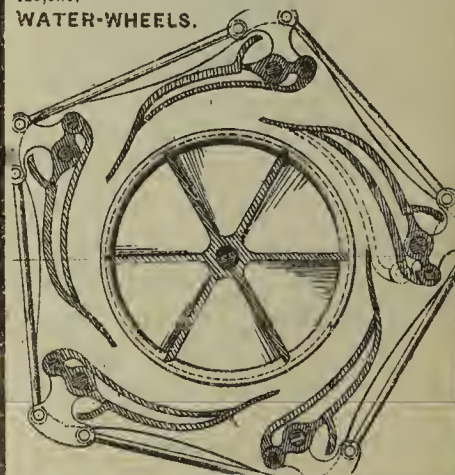
113,812, EDMUND STONEY.
CHAIRS AND CRADLES
COMBINED.



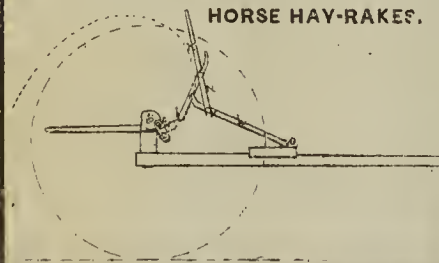
113,817, PATRICK E. TIERNAN.
POUND-NETS FOR FISHING.



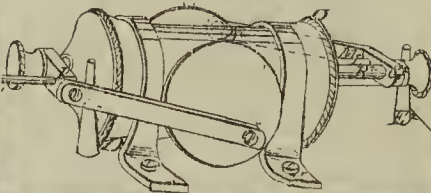
113,823, JOHN S. WARREN.
WATER-WHEELS.



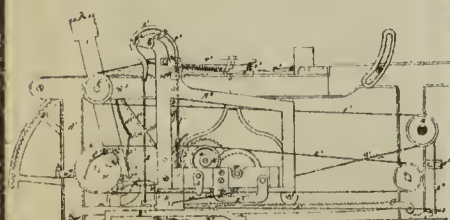
113,813, OLE O. STORLE.
HORSE HAY-RAKES.



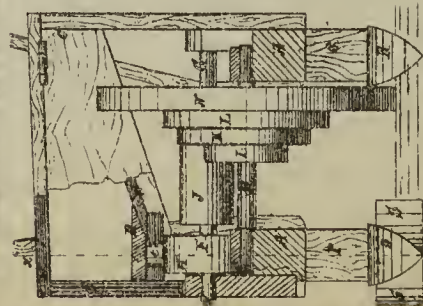
113,818, SAMUEL D. TILLMAN.
STEAM-ENGINES.



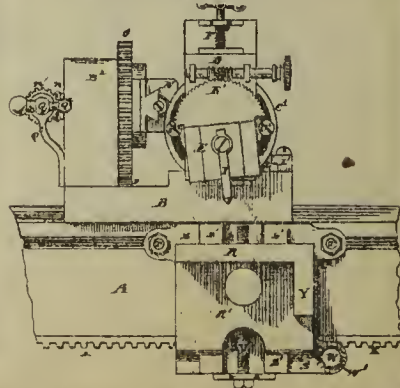
113,814, JAMES SUTHERLAND.
SELF-ACTING MULES FOR SPINNING.



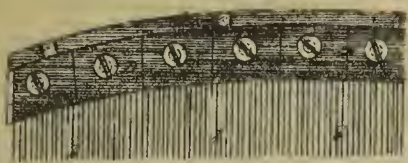
113,819, GRANVILLE J. VAUGHT.
CORN-PLANTERS.



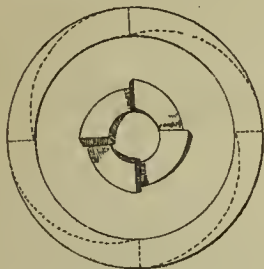
113,824, W. H. WARREN.
SHAPING-MACHINES.



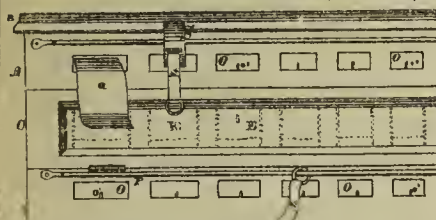
113,825. CHARLES WEILER.
COMBS FOR COMBING-MACHINES.



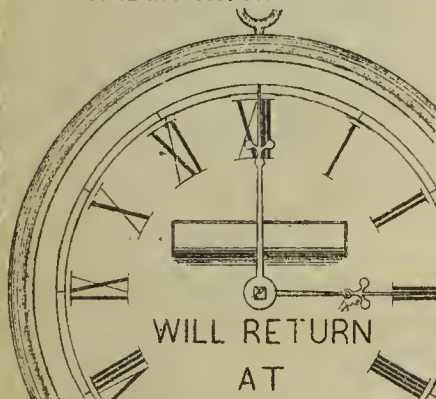
113,826. GEORGE W. WESLEY.
SELF-RELEASING CLUTCHES
FOR WATER-WHEELS.



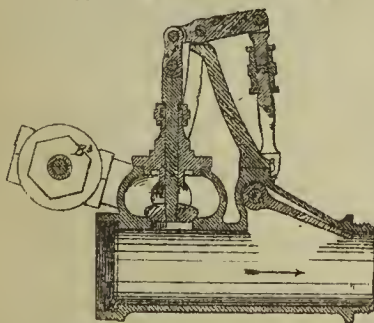
113,827. SAMUEL WHITAKER.
CASES FOR RIBBONS, LACES,



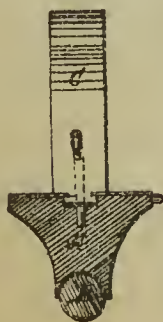
113,828. EDWIN A. WOOD.
TIME-INDICATORS FOR OFFICES.



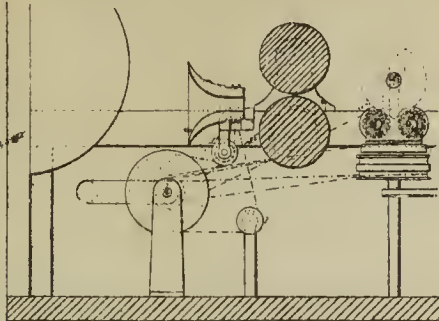
113,829. ALBERT F. ALLEN.
AUTOMATIC RELIEF-VALVES.



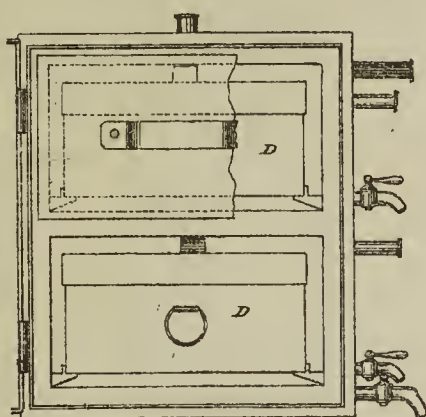
113,830. JOHN R. ANDERSON. PORTABLE
ROLLERS FOR MOVING HEAVY BODIES.



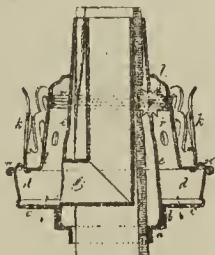
113,831. SAMUEL GEORGE ARCHIBALD.
MACHINES FOR BALLING OAKUM.



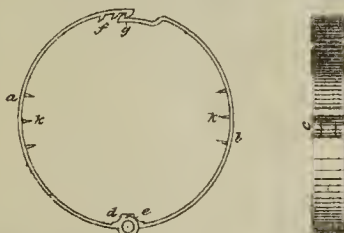
113,832. JOHN ASHCROFT.
APPARATUS AND PROCESSES
FOR TREATING COFFEE.



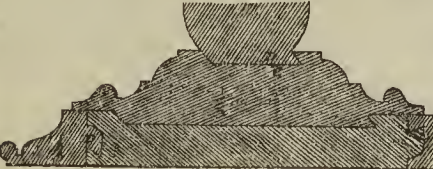
113,833.
L. J. ATWOOD.
LAMP-BURNERS.



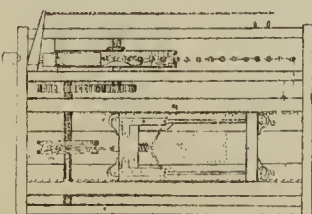
113,834. CLASP-FASTENERS FOR BAGS,
ALFRED HOLME BALCH.
WOLFRED DAVID EMELIUS NELSON.



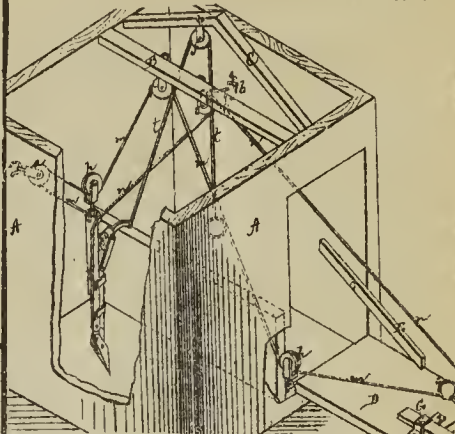
113,835. RICH'D. BARTON.
TONGUE-AND-GROOVE JOINTS.



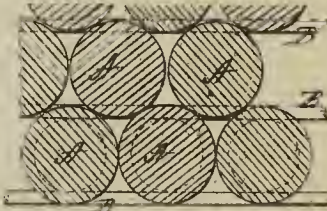
113,836. JAS. BATES.
HOISTING-MACHINES.



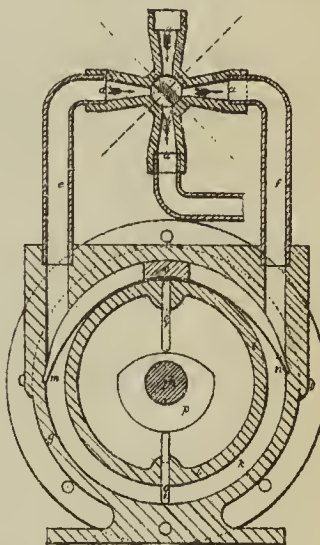
113,837. THOMAS VANDOLAH BAYLY.
HAY-ELEVATORS.



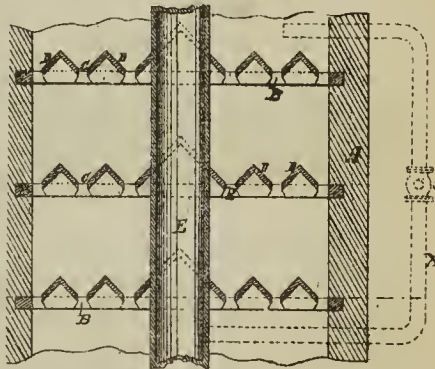
113,838. G. A. BEIDLER.
WOODEN PAVEMENTS.



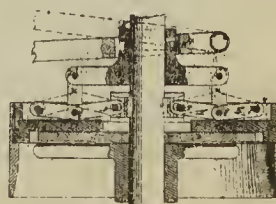
113,839. HENRY L. BENNISON.
ROTARY ENGINES.

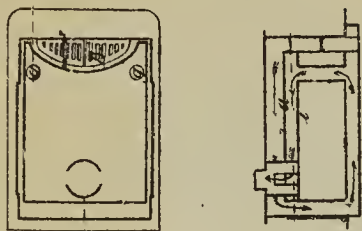
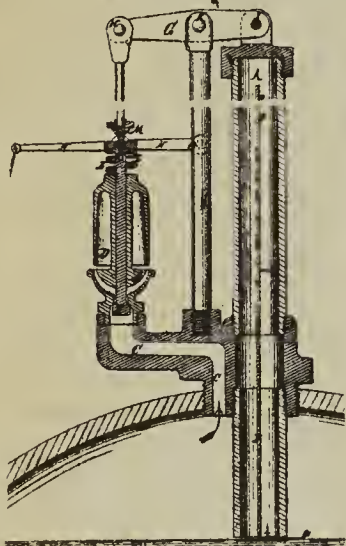
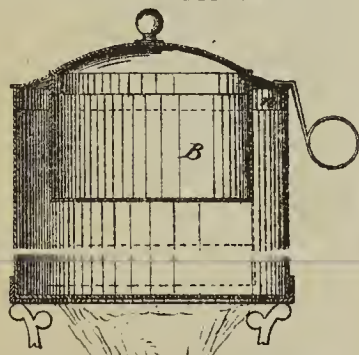


113,840. WILLIAM BLAKEY.
GRAIN-DRYERS.

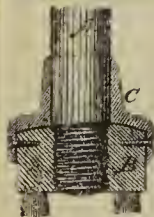
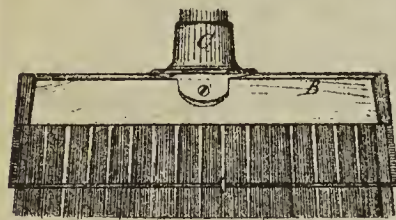
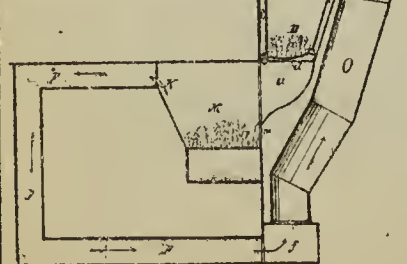
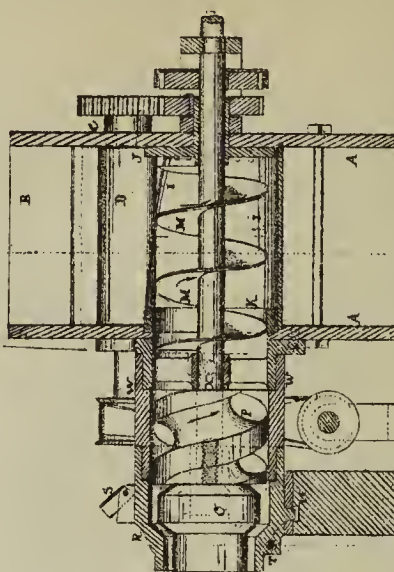
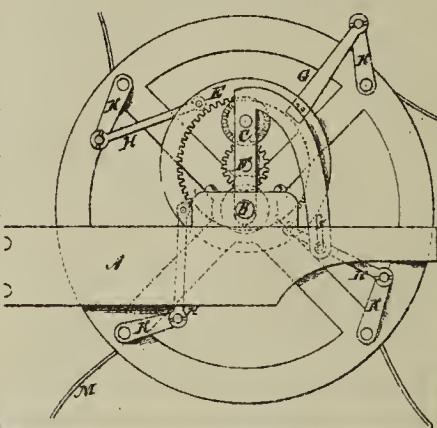
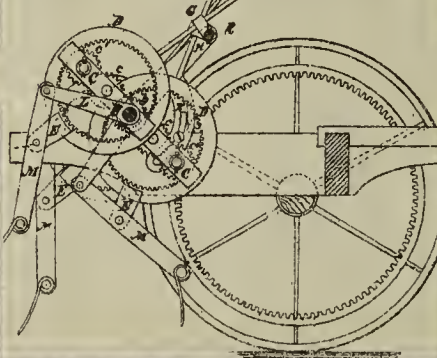
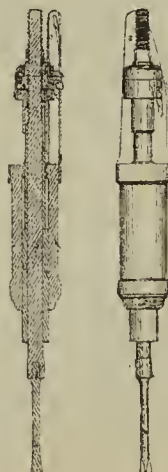
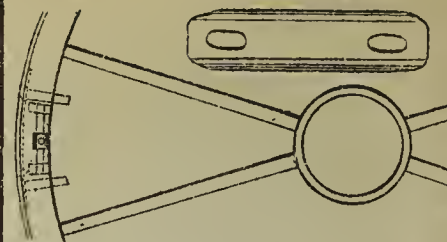
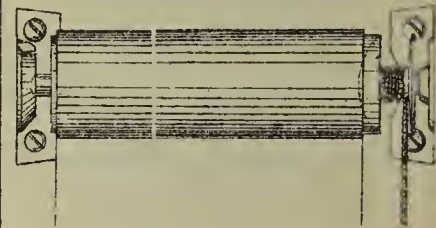
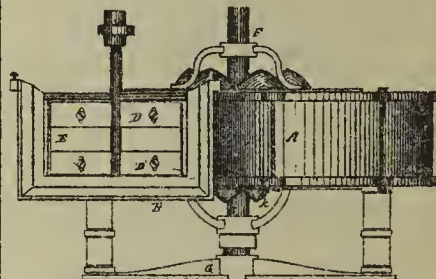
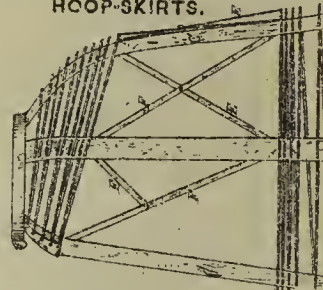
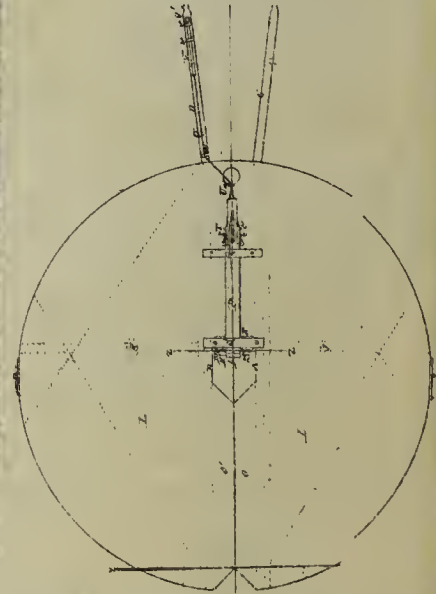
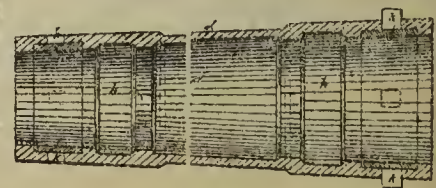


113,841. JAMES H. BLESSING.
FRICTION-CLUTCHES FOR BELT-PULLEY

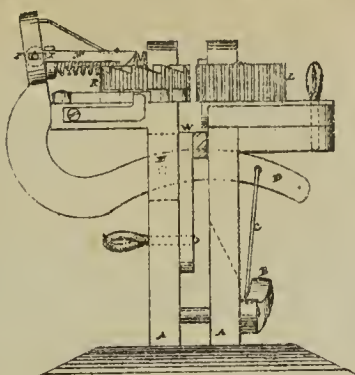
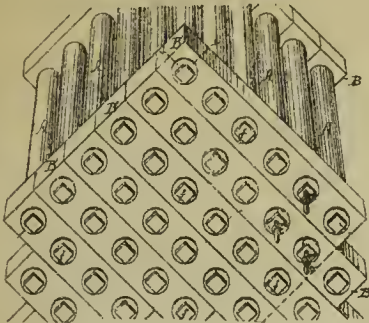


113,842, MARY ANN BOUGHTON.
COOKING-STOVES.113,843, W. A. BRADFOED.
LOW-WATER INDICATORS.113,844, LOUIS BRAUER. APPARATUS
FOR MAKING EXTRACTS FROM VEGET-
ABLE AND ANIMAL SUBSTANCES.

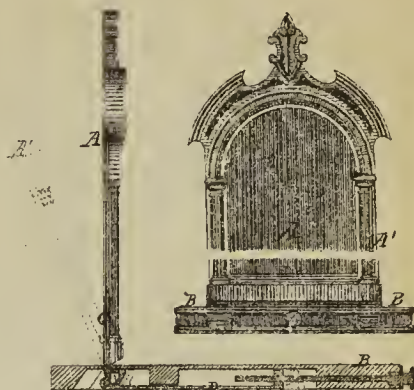
113,845, T. E. C. BRINLY. BROOMS.

113,846, DOMINICUS BRIX.
COOKING-STOVES.113,847, I. C. BRYANT. MACHINES
FOR MAKING BRICKS AND TILES.113,848, HIRAM M. BURDICK.
HAY-TEDDERS.113,849, HIRAM M. BURDICK.
HAY-TEDDERS.113,850, CHARLES BURLIGH.
MACHINERY FOR DRILLING ROCKS.113,851, GARRETT G. W. BURNHAM.
CARRIAGE-WHEELS.113,852, WM. CAMPBELL.
CURTAIN-FIXTURES.113,853, ELISHA P. H. CAPRON.
WATER-WHEELS AND CHUTES.113,854, ALBERT CARTER.
HOOP-SKIRTS.113,855, FRANK J. CLAXTON.
CHARLES D. STEVENS.
CURCULIO-CATCHERS.113,856, MORIS COLLINS.
THIMBLE-SKEINS AND BOXINGS.

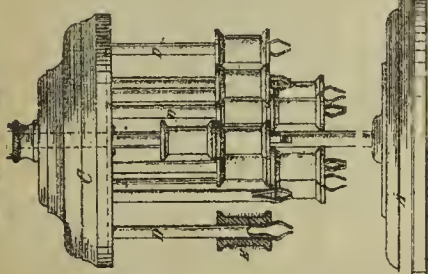
113,857, WM. H. CORNELL.
SECTIONAL STEAM-BOILERS.



113,868, O. L. GARDNER.
WILLIAM GARDNER.
DEVICES FOR ADJUSTING MIRRORS.



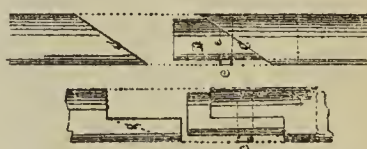
113,858, JOHN D. CUTLER.
SPOOL-EXHIBITERS.



113,864, MOSES G. FARMER.
CONSTRUCTION OF THERMO-ELECTRIC
PAIRS.

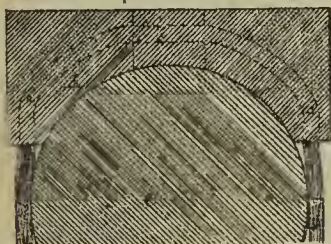


113,869, ALBERT A. GAYLORD.
LIGHTNING-RODS.

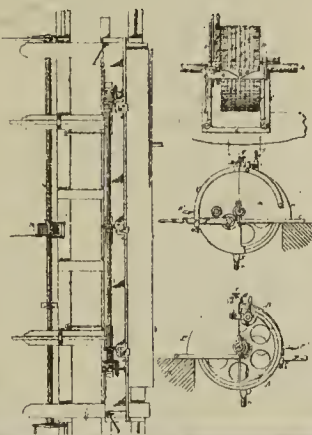


113,859, WM. G. DEAN. PREPARING
FLOUR FOR USE IN CONFECTIONERY,

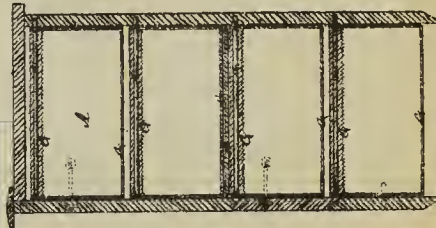
113,860, PATRICK S. DEVLIN.
LUBRICATORS FOR JOURNALS.



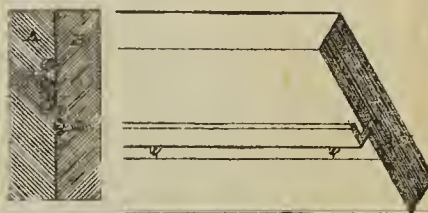
113,865, WILLIAM M. FERRY.
SAW-MILLS.



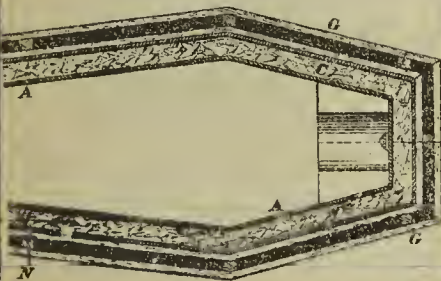
113,870, DANIEL GEBHART. BEE-HIVES.



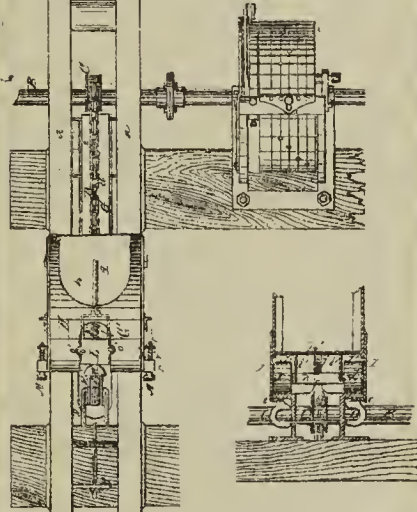
113,871, JAMES S. GIBBONS.
SLIDES FOR DRAWERS.



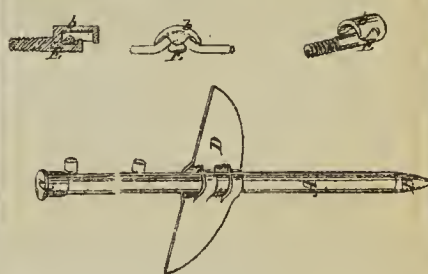
113,861, HENRY M. DIGGINS.
CORPSE-PRESERVERS.



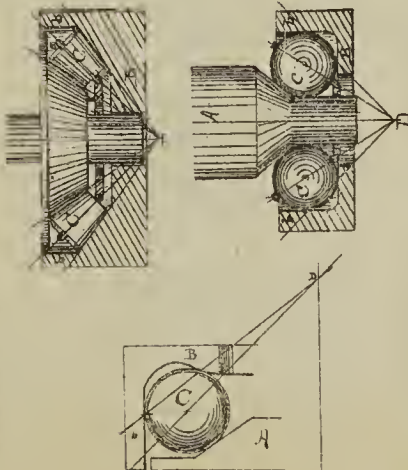
113,866, WILLIAM M. FERRY.
SAW-MILLS.



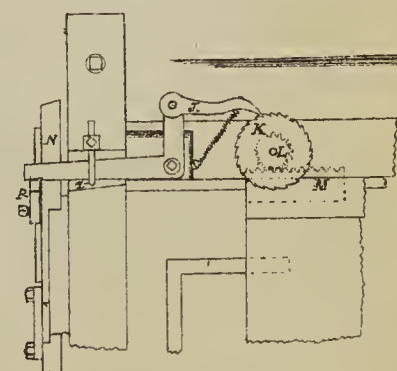
113,872, ANDREW J. GILL.
FENCE-POSTS.



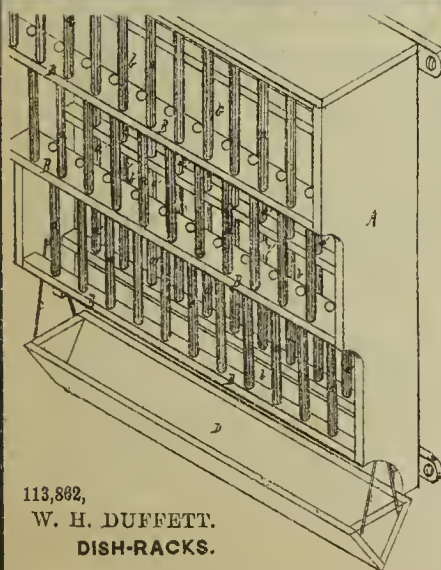
113,867, F. A. GARDNER. BEARING
-STEPS AND VERTICAL SHAFTS.



113,873, WILLIAM GILMORE.
TENON-MACHINES.

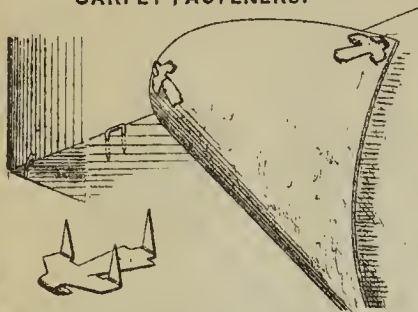


113,862,
W. H. DUFFETT.
DISH-RACKS.

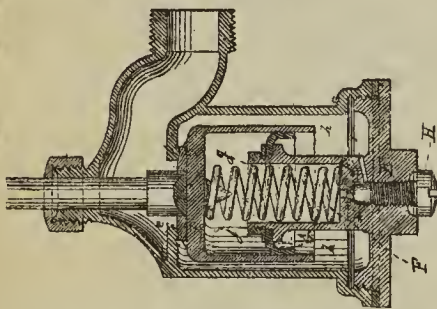


113,863, ASA EGGLESTON.
MACHINES FOR PIERCING LEATHER.

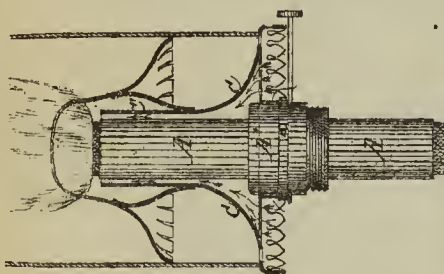
113,874, A. GIVAUDAN.
CARPET-FASTENERS.



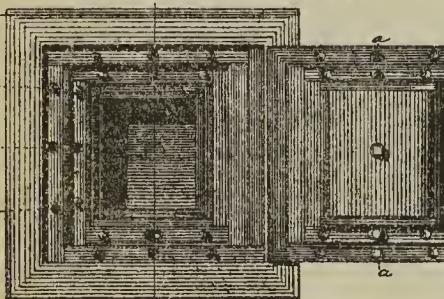
113,875, WILLIAM GORDON.
WATER-CLOSET VALVES.



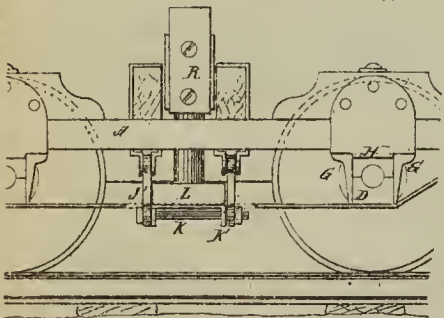
113,876, WM. H. GRAY. LAMP-BURNERS.



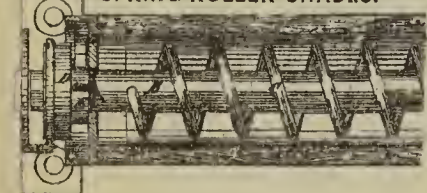
113,877, EDWARD K. HALL.
BURGLAR-PROOF SAFES.



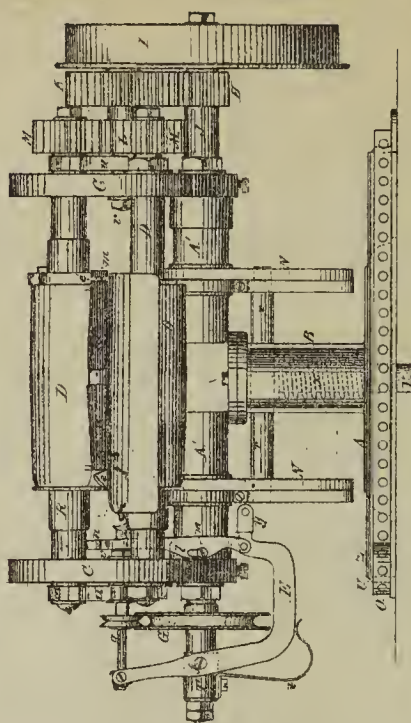
113,878, FRANCIS S. HARRINGTON.
RAILWAY-CAR TRUCKS.



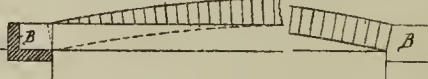
113,879, STEWART HARTSHORN.
SPRING-ROLLER SHADES.



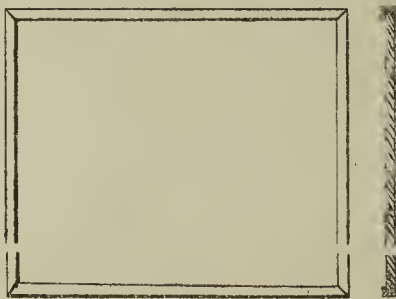
113,880, ISSACHAR A. HEALD.
CIGAR-MACHINES.



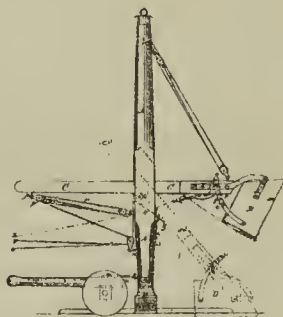
113,881, CONSTANTINE HENDERSON.
ARCHED STRUCTURES.



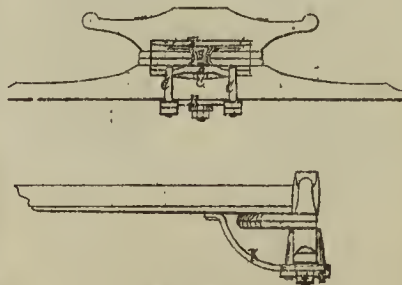
113,882, THOMAS N. HIOKCOX.
METAL-CLAD SHINGLES.



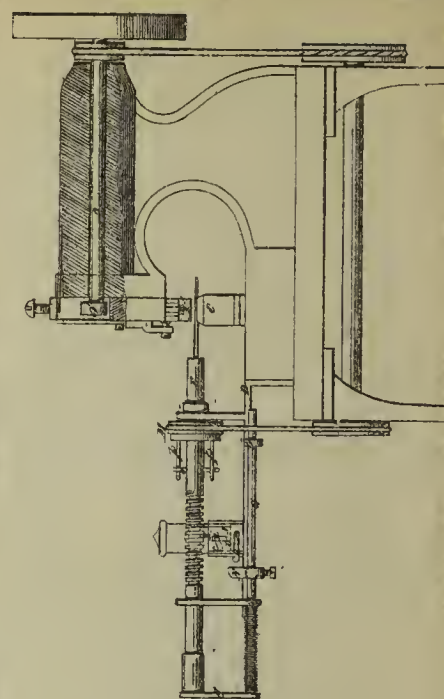
113,883, MARCUS M. HODGMAN.
EXCAVATORS.



113,884, JACOB HOLLINGER.
CARRIAGE-COUPPLINGS.



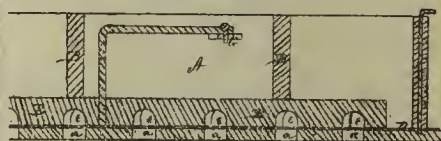
113,885, ALBERT G. HOTOHKISS.
MACHINES FOR REDUCING
OR POINTING WIRE.



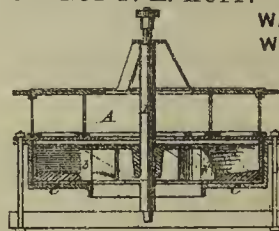
113,888, WM. T. HOWARD.
BROILERS.



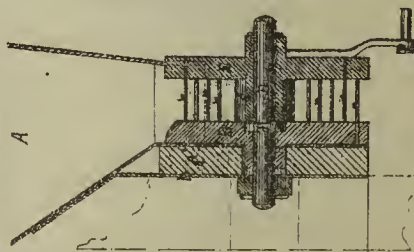
113,887 THOMAS HOWELL.
HAND SEED-SOWERS.



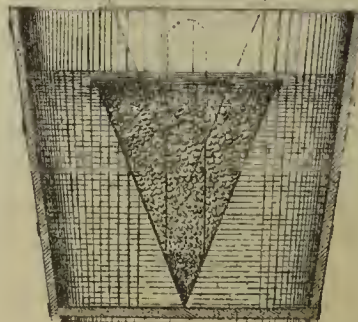
113,888, CHANOF F. H. HUFF.
WATER-
WHEELS.



113,889, JOSEF JOHNSON.
PEANUT-HULLERS.

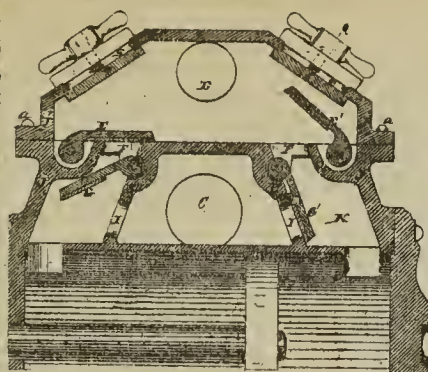
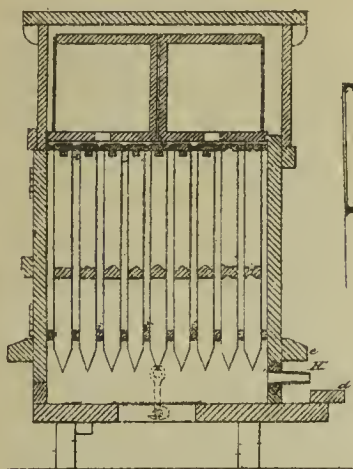


113,890, JOSEF JOHNSON.
APPARATUS FOR CLEANING COFFEE,

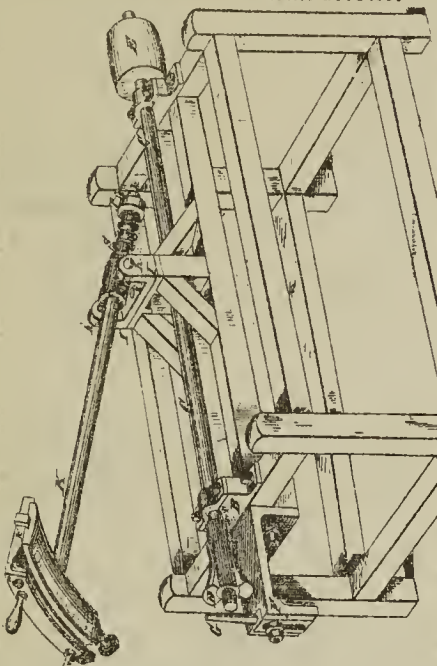


113,891, ALGERNON K. JOENSTON.
PIPES FOR WATER, GAS.

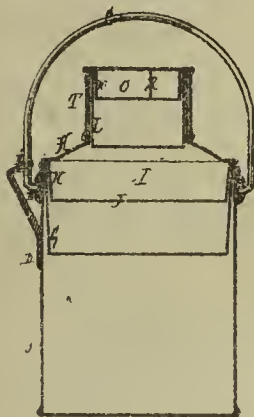
113,892, CAMPBELL JONES.
ALBERT JONES.
BEE-HIVES.



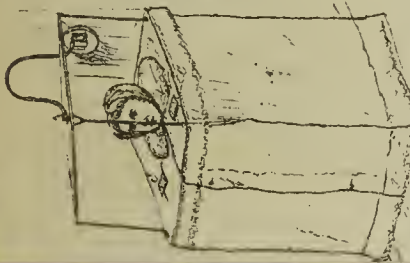
113,898, JOHN LEMMAN. MACHINES
FOR MOLDING CHAIR-BACKS.



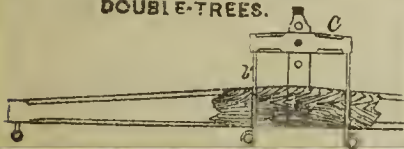
113,893, HUMPHREYS JOYCE.
ANTHONY ERNEST.
DINNER-PAILS.



113,894, CHARLES KAESTNER.
STEAM-BATHS.



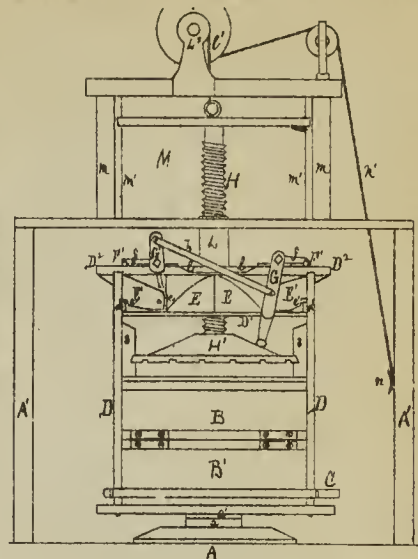
113,895, DAVID W. KAUFFMAN.
DOUBLE-TREES.



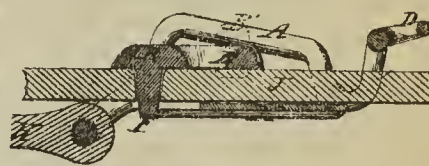
113,896, AUGUST KESSBERGER.
WAGON-AXLES.



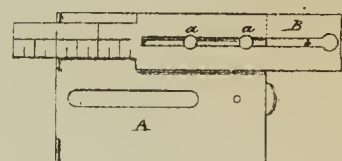
113,897, LUCIUS J. KNOWLES.
STEAM-PUMPS.



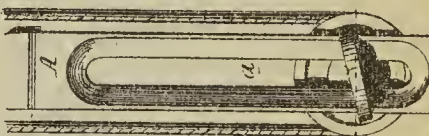
113,902, JOHN H. MARTIN. BUCKLES.



113,903 WILLIAM NELSON MARTIN.
HEMMING AND TUCKING
ATTACHMENTS FOR SEWING-MACHINE.

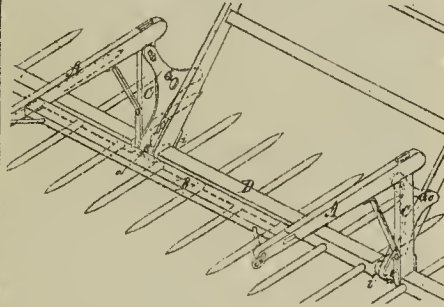


113,904, W. McCONNELL.
SHADE-CORD RETAINERS.

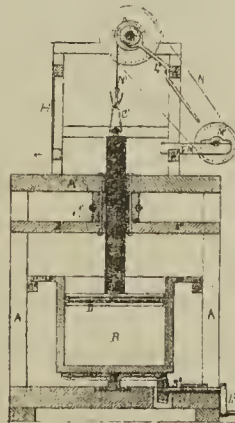


113,905, GEORGE MCKENZIE.
COMBINING CARBONACEOUS MATTERS
FOR THE MANUFACTURE OF GAS.

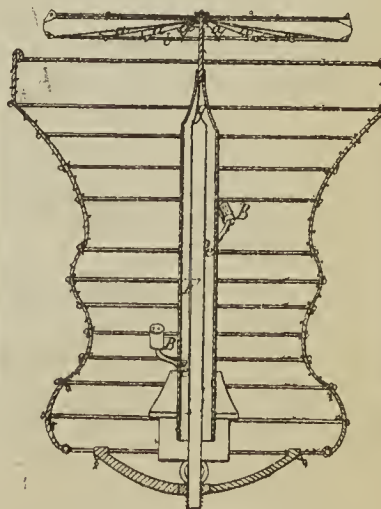
113,899, WM. H. LOCKE.
HORSE HAY-RAKES.



113,900, C. K. MARSHALL.
COTTON AND HAY-PRESSES.

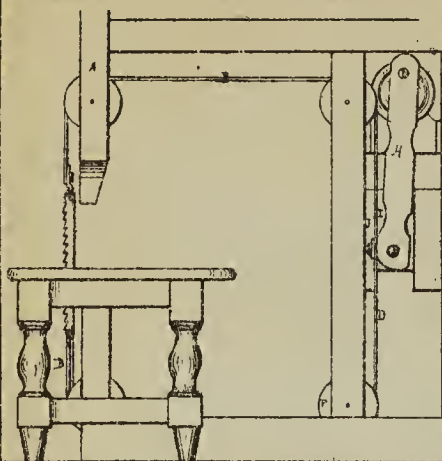


113,906, FREDERICK McLEWEE.
REVOLVING GAS-BURNERS.

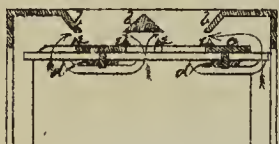
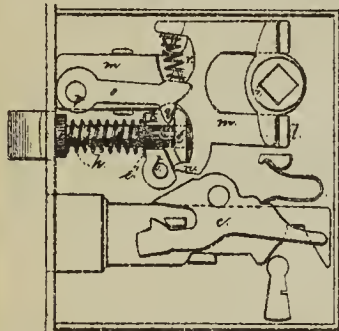
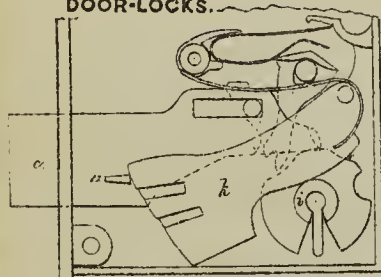
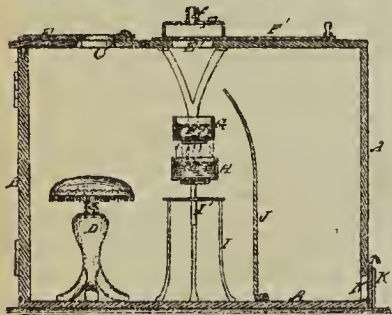
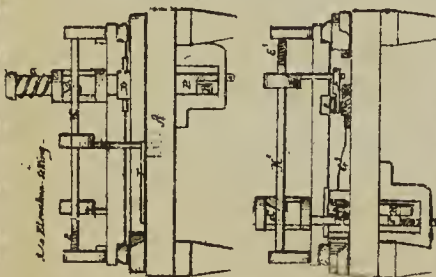
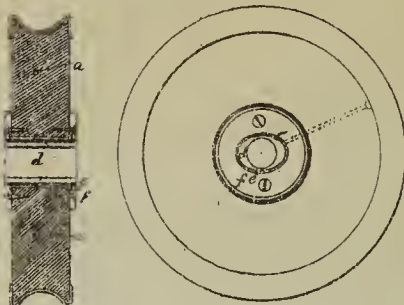
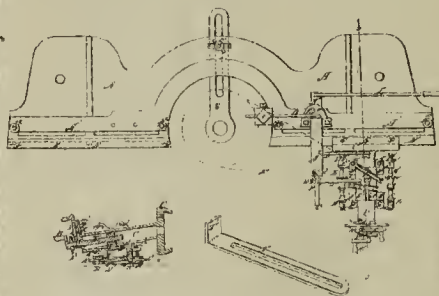
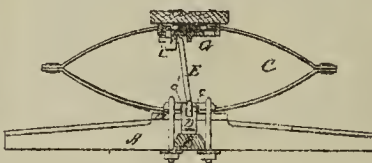
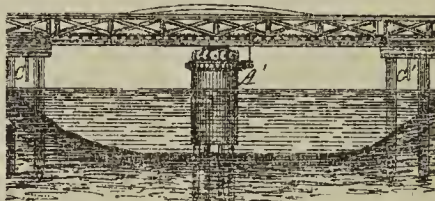
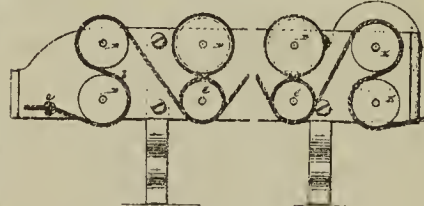
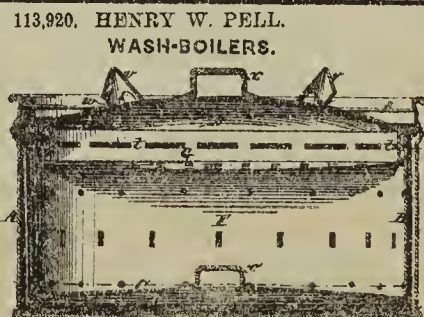
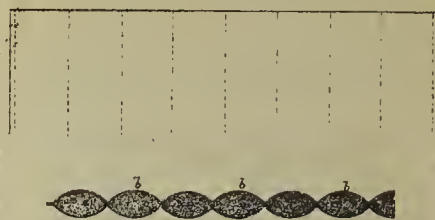
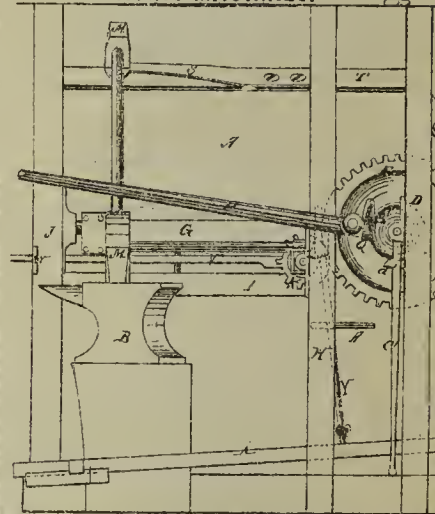
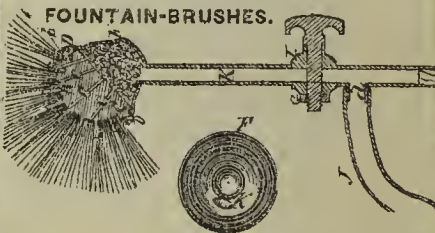
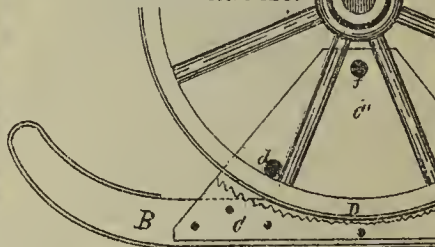
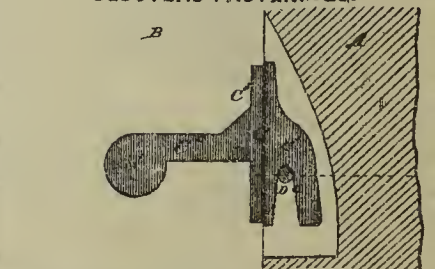
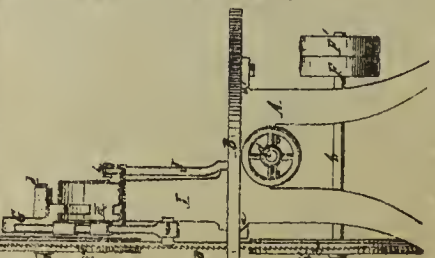


113,901, C. K. MARSHALL.
COTTON-PRESSES AND TRAMPERS.

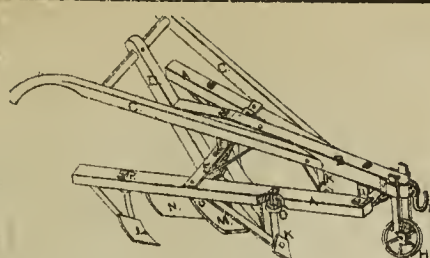
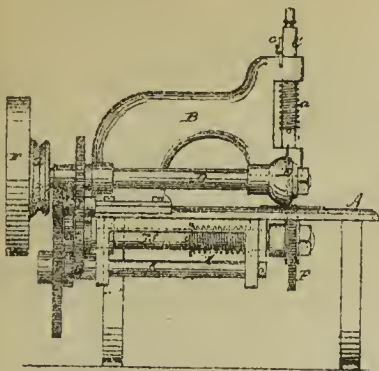
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SCROLL-SAWS.



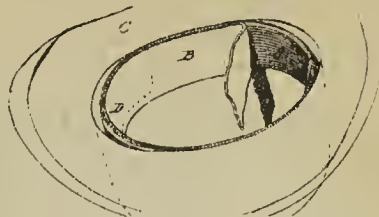
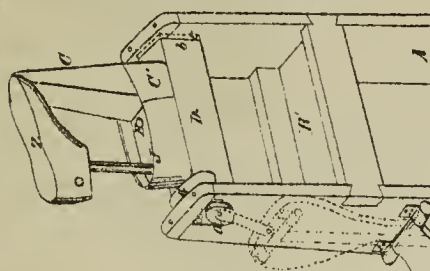
113,908, GEO. R. MOORE. FIRE-GRATES.

113,909, W. T. MUNGER.
REVERSIBLE KNOB-LATCHES.113,910, W. T. MUNGER.
DOOR-LOCKS.113,911, GEORGE F. MUNRO.
APPARATUS FOR VAPOR-BATHS.113,912, F. M. NEFF.
JOHN E. SCRUGGS.
TYPE-SETTING AND DISTRIBUTING
MACHINES.113,913, HENRY NICK.
SHEAVE OR PULLEY-BLOCKS.113,914, JOHN NORMAN.
MACHINES FOR DRESSING MILLSTONES.113,915, DANIEL W. NORRIS.
BRACES FOR CARRIAGE-SPRINGS.113,916, FERDINAND PAIRAN.
GATES FOR DRAW-BRIDGES.113,917, ISAAC E. PALMER. MACHINES
FOR DRESSING WORSTED CORD.113,918, ALFRED PARAF.
PRODUCTS FROM MADDER.113,919, ALFRED PARAF.
COMPOSITIONS OF MADDER
FOR PRINTING CLOTHS.113,920, HENRY W. PELL.
WASH-BOILERS.113,921, EARTH-MATTRESSES.
THEODORE WILLIAM PHINNEY.113,922, JAMES PIPES.
FORGING-MACHINES.113,923, ZEPHIRE POITRAS.
FOUNTAIN-BRUSHES.113,924, ZIMRI I. PRATT.
SLEIGH-RUNNER ATTACHMENTS
TO WHEEL VEHICLES.113,925, REZIN M. PRICE.
BEDSTEAD-FASTENINGS.113,926 PAUL PRYIBIL.
SAWING-MACHINES.

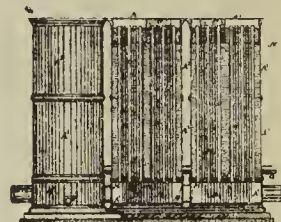
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MACHINES FOR CUTTING CLOTH.



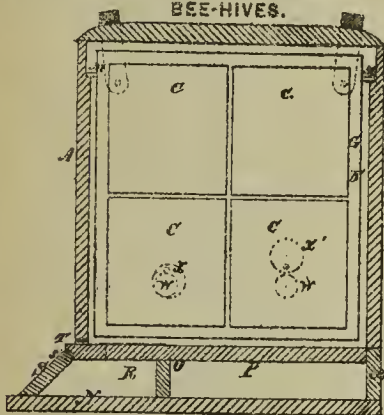
113,935, AUGUST RUST.
SHOEMAKERS' JACKS.



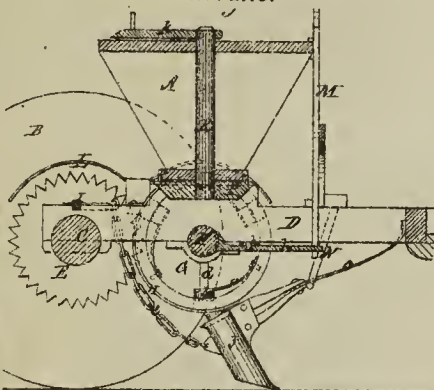
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GAS-CONDENSERS.



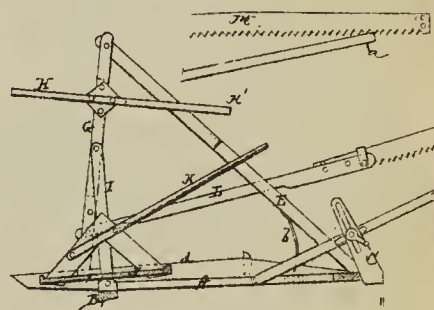
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BEE-HIVES.



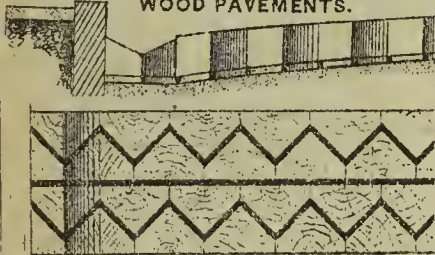
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CORN-PLANTERS.



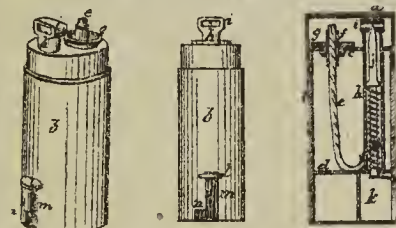
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SAWING-MACHINES.



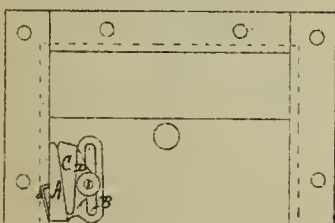
113,929, P. H. REINHARD,
E. F. M. FAETZ.
WOOD PAVEMENTS.



113,937, WM. SERVANT.
PERCUSSION-MATCHES.

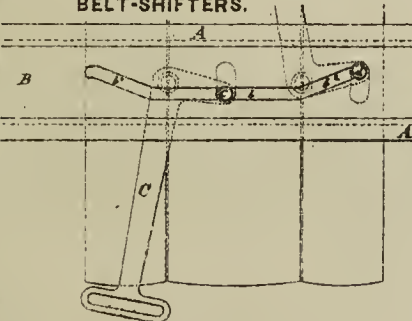


113,930, GEORGE W. REISINGER.
SASH-HOLDERS.

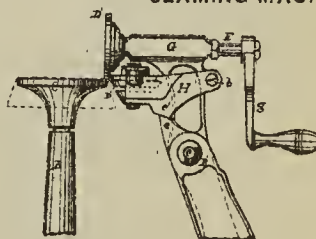


113,938, WILLIAM T. SHERWOOD.
MEDICAL COMPOUNDS OR BITTERS.

113,939, WM. H. H. SISUM.
BELT-SHIFTERS.



113,944, ORSON W. STOW.
SEAMING-MACHINES.



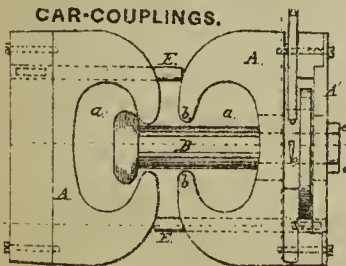
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CAR-DOORS.



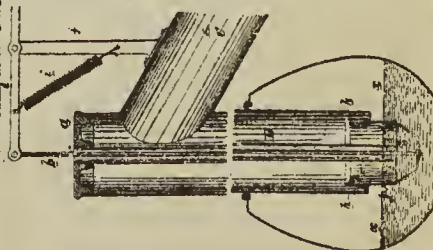
113,945, JAMES THORNTON,
EMMIT G. LATTA.
HAMES FOR HARNESS.



113,932, W. BOLTON ROGERSON,
HARVEY BEYEA.
CAR-COUPINGS.



113,946, SAMUEL TRUMBORE. SEALS
FOR HYDRAULIC MAINS OF GAS-WORKS.



113,933, GERVAS E. ROSE.
WELDING-POWDER FOR IRON.

113,940, CHARLES W. SMALL.
REVERBERATING REED-CELLS FOR
ORGANS OR MELODEONS.

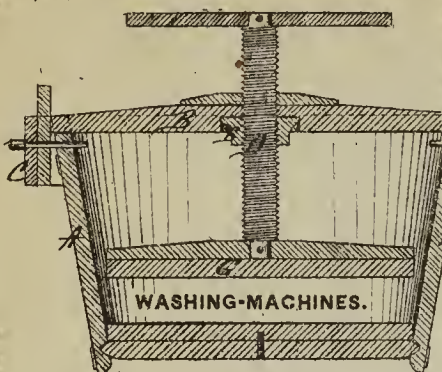


113,934, GUILFORD D. ROWELL.
HORSE HOES AND CULTIVATORS.

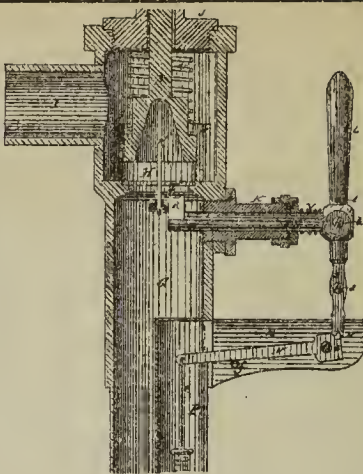
113,941, ALDEN SOLMANS.
HAT-VENTILATORS.

113,947, MARSHALL TURLEY.
PRINTERS' INK.

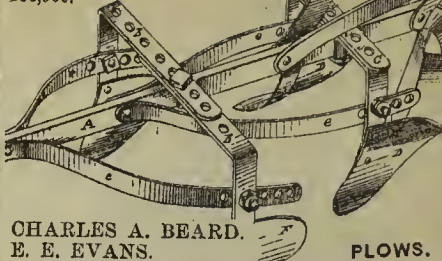
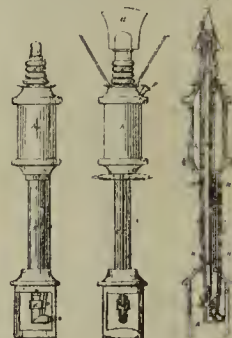
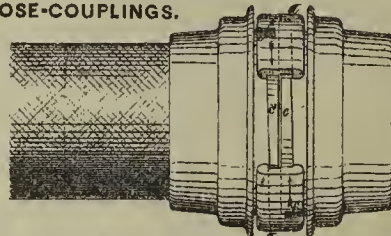
113,948, FOSTER UTLEY.



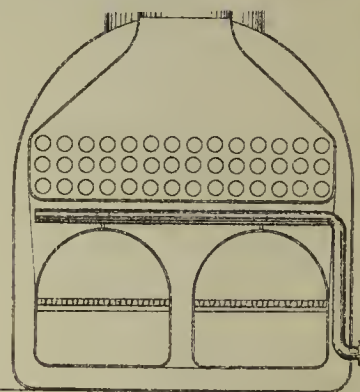
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L. H. WATSON.
BARREL-FILLERS.

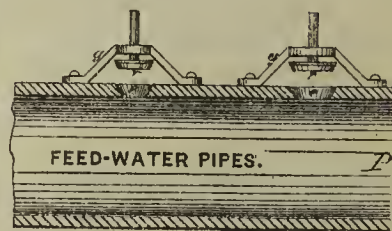
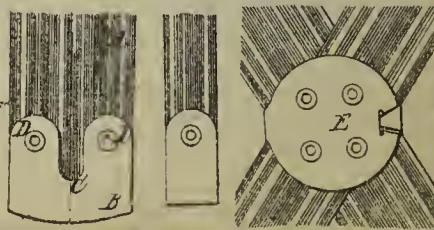
113,960,

4,342, BENJAMIN D. EVANS. COMBINED
VAPOR-BURNERS AND LAMP-POSTS.4,343, JAMES H. PRATT.
CLOTHES-WRINGING
HOOKS.4,344, JAMES C. COOKE.
HOSE-COUPINGS.

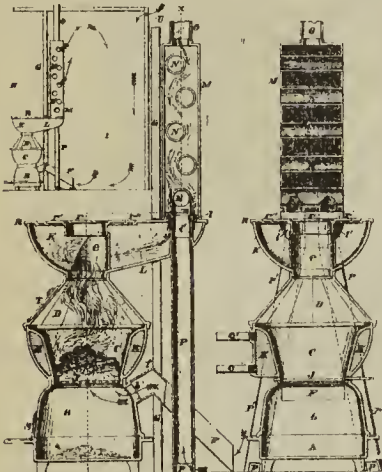
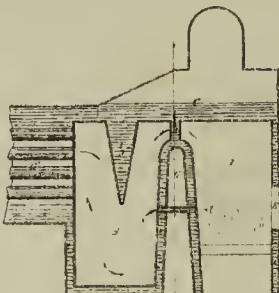
4,345, JOHN DOYLE. FEED-WATER PIPES



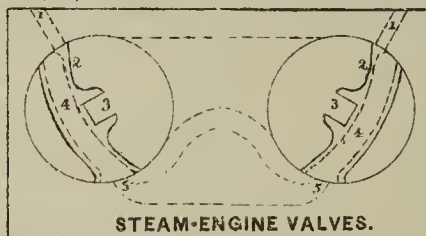
4,346, JOHN DOYLE.

4,347, WILLIAM HAINSWORTH.
SEARS M. LOVERIDGE. MOLDS.4,348, JAMES B. SHARP.
WILLIAM SEYMOUR,
SUSPENDERS.

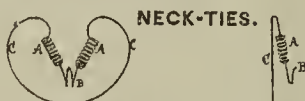
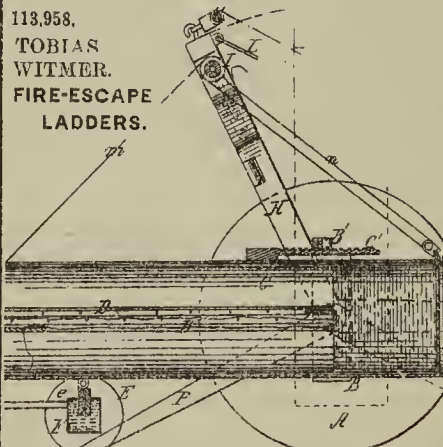
113,949, JOHN VAN. LAUNDRY-STOVES.

113,955, ELIJAH WESTON.
STEAM-GENERATORS.

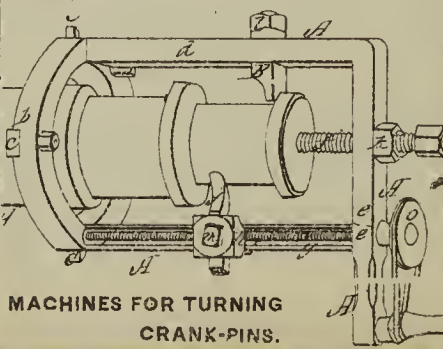
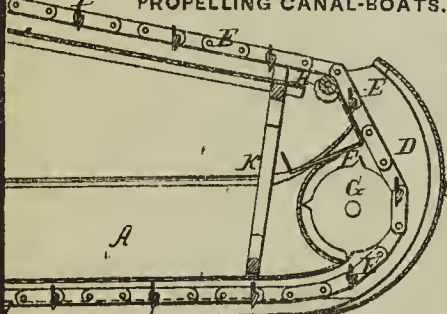
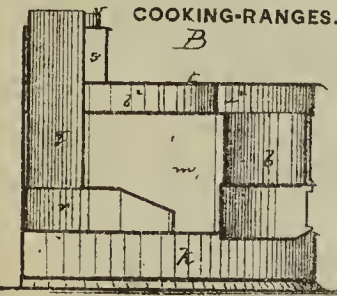
113,956, SETH H. WHITMORE.

113,957, JOSEPH R. WILBER.
OTIS W. PEIRCE.

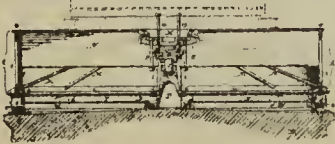
NECK-TIES.

113,958,
TOBIAS
WITMER.
FIRE-ESCAPE
LADDERS.

113,959, MILTON G. WOOD.

113,951 W. W. VIRDIN.
PROPELLING CANAL-BOATS.113,952, GEO. W. WALKER.
COOKING-RANGES.

113,953, GEORGE WALTERS. TURN-TABLE



ILLUSTRATIONS OF PATENTS

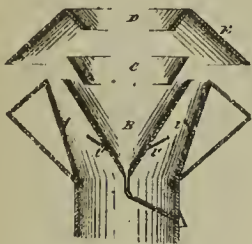
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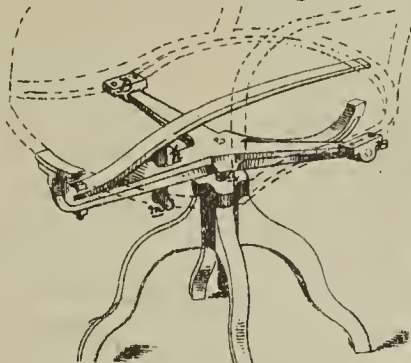
113,961. W. N. ABBOTT.

Chimney-Cowls.



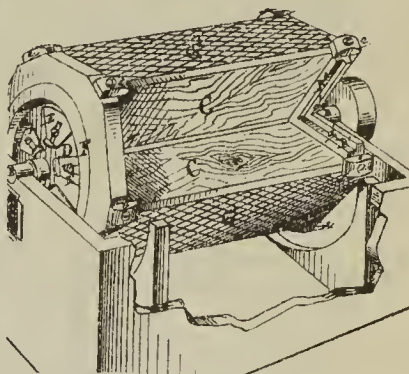
113,967. F. BARBER.

Revolving-Chairs.



JOHN R. BRADFELD.

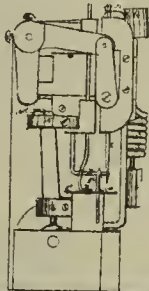
113,972. Flour-Bolts and Reels.



H. P. ALDRICH.

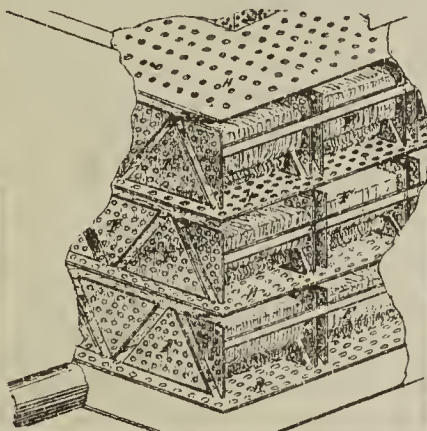
Waxed Thread Sewing-Machines.

113,962.



CHARLES C. BEERS. 113,968.

Apparatus for Carbureting Air.



D. W. BROCKWAY.

Trunk-Fasteners.

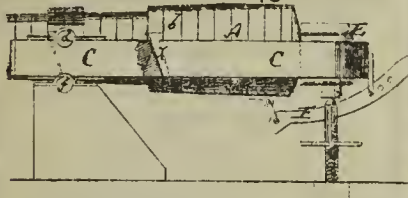
113,974.



113,973,
LEOPOLD
BRANDEIS.
MATERIALS FOR
FILTERING.

HIRAM J. ALLEN.

113,963. Breech-Loading Cannon.



JOHN T. H. BROWN.

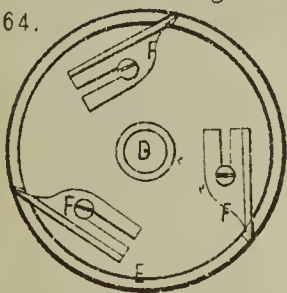
113,975. Elevator Hay-Forks.



C. ANDREWS.

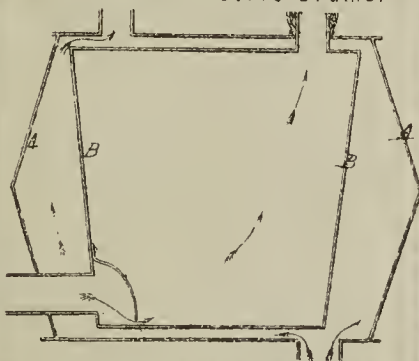
Machines for Making Skewers.

113,964.



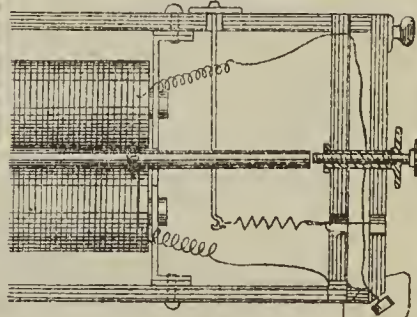
G. C. BENTON.

113,969. Stove-Drums.



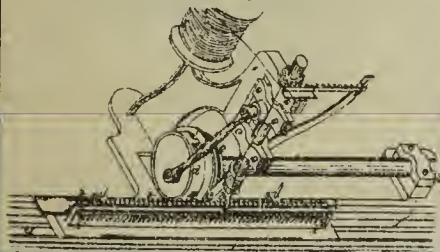
H. S. L. BRYAN. 113,976.

Electric-Telegraph Sounders.



JOHN M. ARMOUR.

113,965. Knitting-Machines.

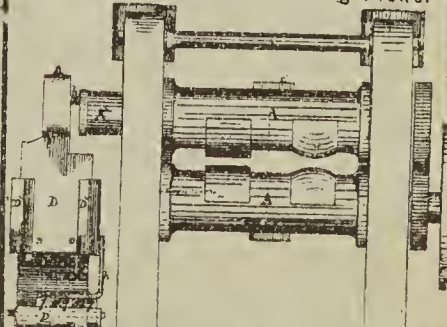


I. G. BLAKE. 113,970.

Watchmen's Time-Checking
Clocks.

A. BUERKLE. 113,977.

Machines for Manufacturing Picks.



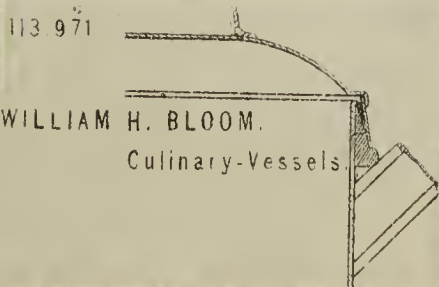
ELLIS BALLOU.

113,966. Dumb-Bells

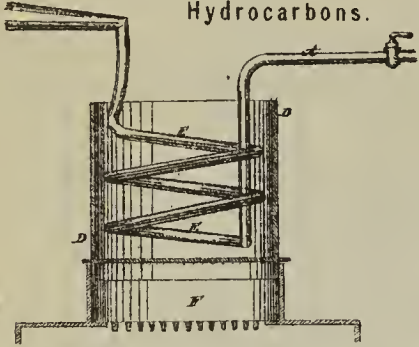


WILLIAM H. BLOOM.

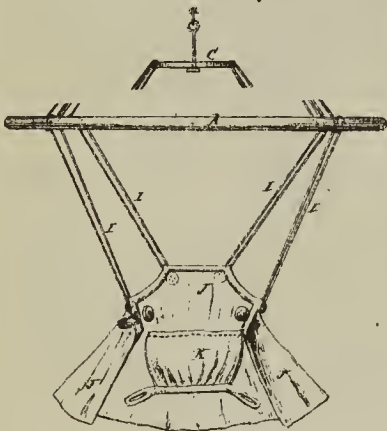
Culinary-Vessels.



JOHN BUTLER. 113,978.
Apparatus for Vaporizing Volatile
Hydrocarbons.



A. H. CARSON & A. BROWN.
113,979. Baby-Tenders.



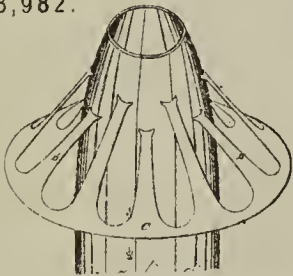
E. A. CASTELLAW. 113,980.
Locomotive Smoke-Stacks.



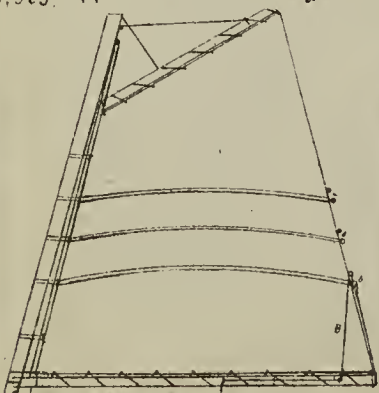
DAVID L. COHEN. 113,981.
Boat-Detaching Apparatus.



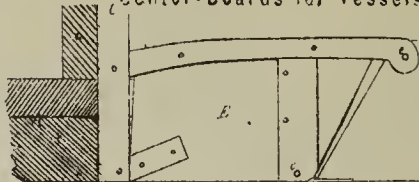
M. H. COLLINS.
113,982. Lamp-Shades.



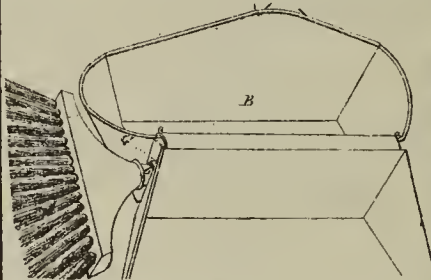
A. G. CROSSMAN.
113,983. Apparatus for Reefing Sails.



A. G. CROSSMAN.
113,984. Center-Boards for Vessels.



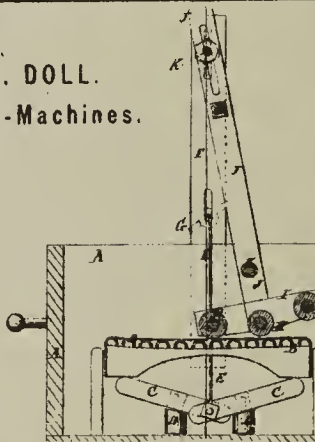
F. L. DANIELS & JOHN RUSSELL
113,985. Dust-Pans.



JOHN DEMAREST. 113,986.
Flasks for Casting Pipes.



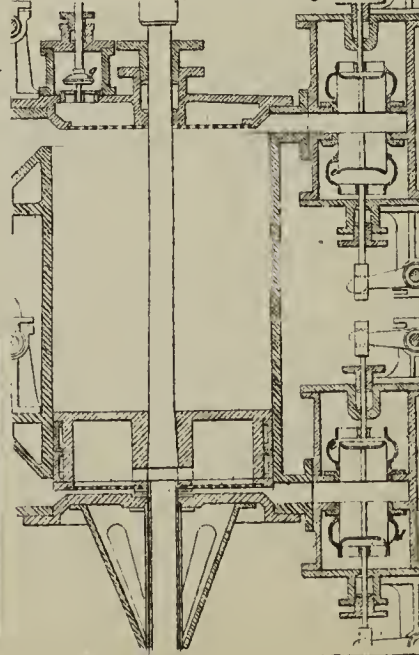
113,987.
JOHN H. DOLL.
Washing-Machines.



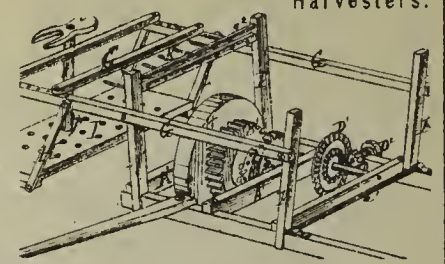
JAMES DUNNING. 113,988.
Watchmen's Time-Detectors.



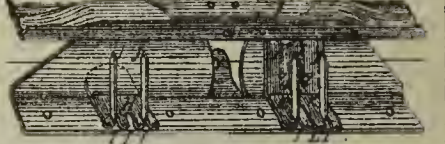
THOMAS EDWARDS. 113,989.
Condensing Steam-Engines.



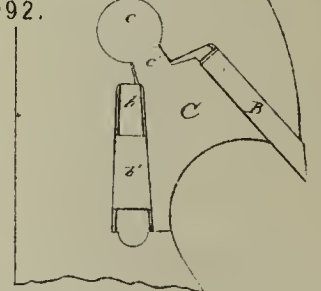
113,990. JOHN H. ELWARD.
Harvesters.



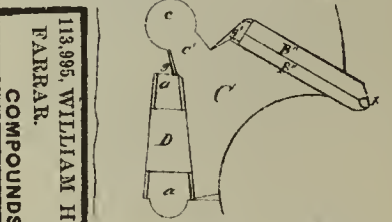
GEORGE W. EMERSON.
113,991. Paper-Files.



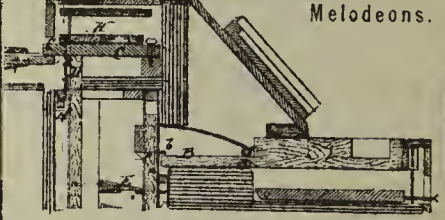
JAMES E. EMERSON.
113,992. Saws.



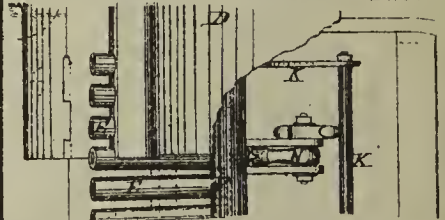
JAMES E. EMERSON.
113,993 Saws for Sawing Stone.



113,994. PETER ENGERS.
Melodeons.



113,996 WILLIAM FIELDS.
Battery-Guns.

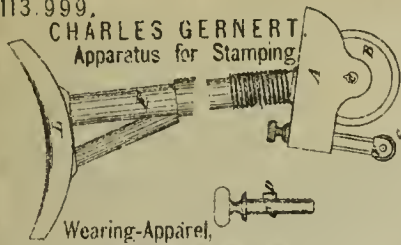


113,997.
CHAS. H. FRINGS.
PREPARING AND MASHING GRAIN.

GEORGE GARRETT.
113,998. Hinges for Gates.

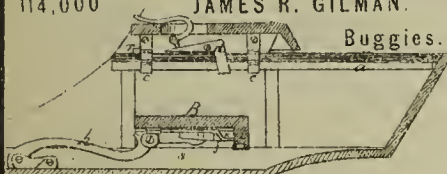


113,999.
CHARLES GERNERT.
Apparatus for Stamping

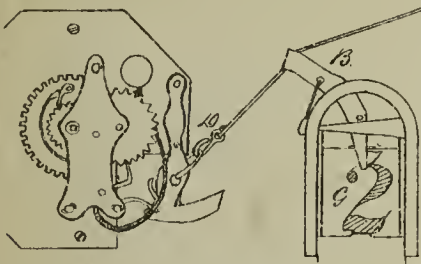


Wearing-Apparel,

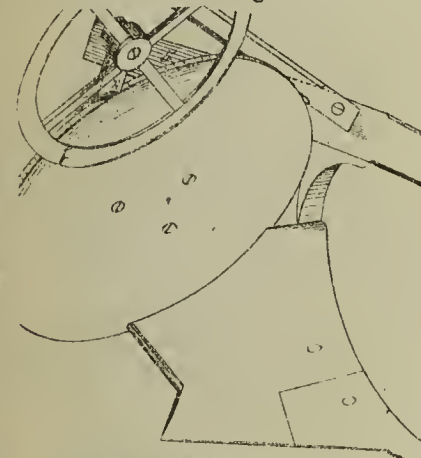
114,000 JAMES R. GILMAN.
Buggies.



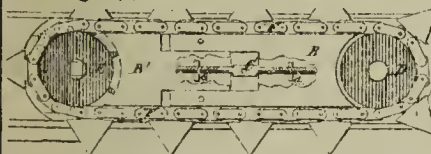
L. C. GOSSON.
114,001. Burglar-Alarms



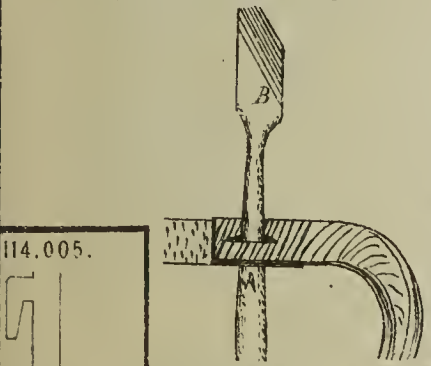
J. S. GODFREY.
114,002. Revolving Mold-Board



P. GREGG. 114,003.
Cutting Apparatus for Harvesters.



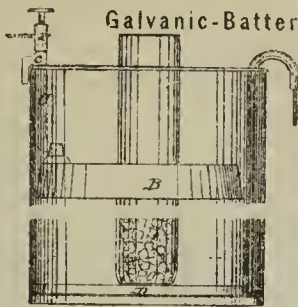
MARION GREEN. 114,004.
Slitting and Joining Rags



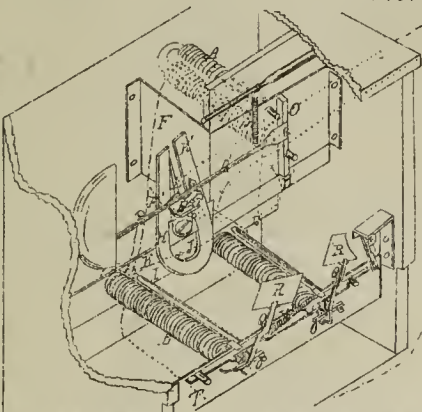
E. A. HILL.
114,005. Zinc for Galvanic-Batteries.



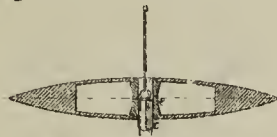
114,006. E. A. HILL.
Galvanic-Batteries.



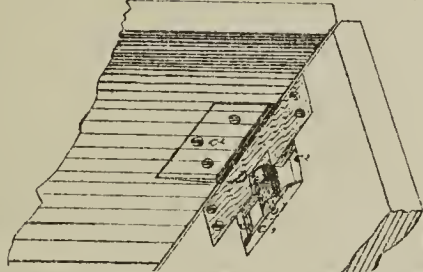
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114,007. Hotel-Annunciators



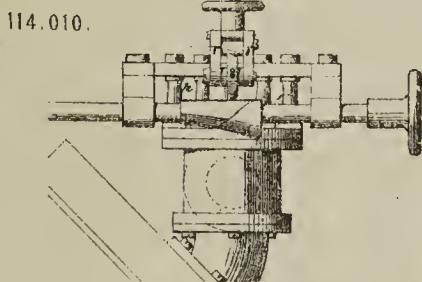
C. HINGHER. 114,008.
Tatting-Shuttles and Crochet-Needles.



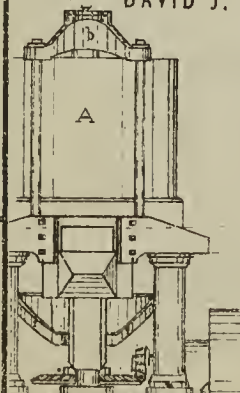
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Hinges for Table-Leaves.



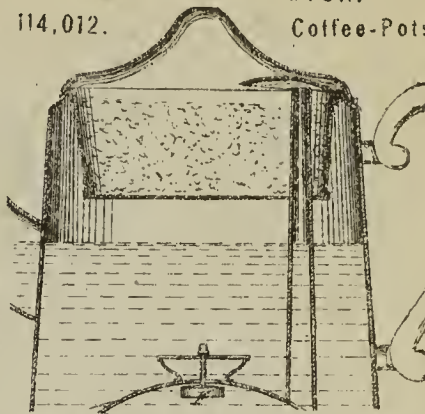
B. HOLLY.
114,010. Variable Cut-Offs for Engines



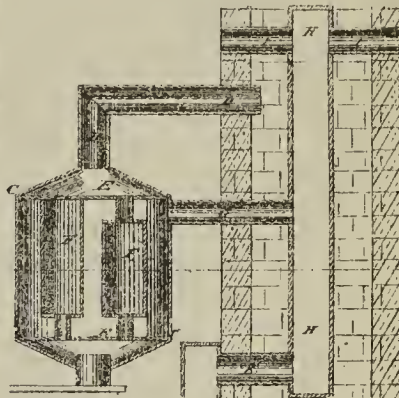
114,011. DAVID J. HUNTER.
Brick-Machines.



INMAN & WITHINGTON.
114,012. Coffee-Pots



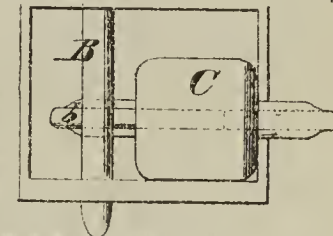
R. JENNINGS. 114,013.
Drums for Heating and Ventilating



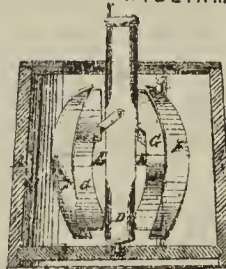
114,014. WILLIAM JOHNSON.
Pendulum-Levels and Clinometers



114,015
J. W. JONES
Car-Couplings.

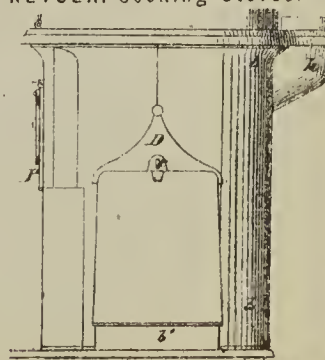


114,016. WILLIAM F. JONES.
Churn-Dashers.

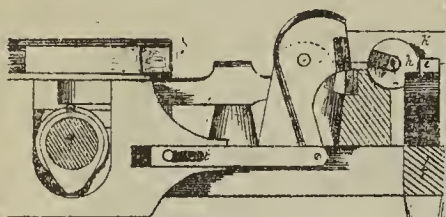


114,017. WILLIAM
N. JORDAN.
IMPROVEMENT
IN PAINTS.

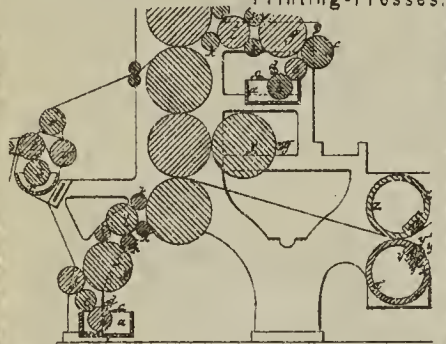
JOHN H. KEYSER. Cooking-Stoves.
114,018



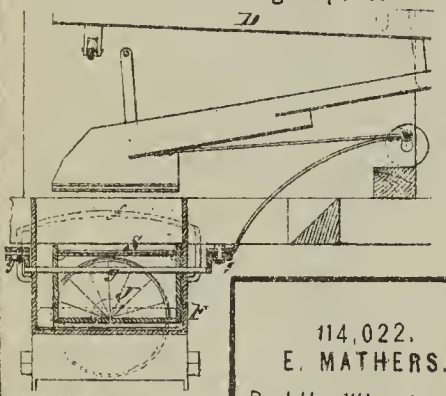
WILLIAM J. LEWIS. 114,019.
Machines for Making Strap-Hinges.



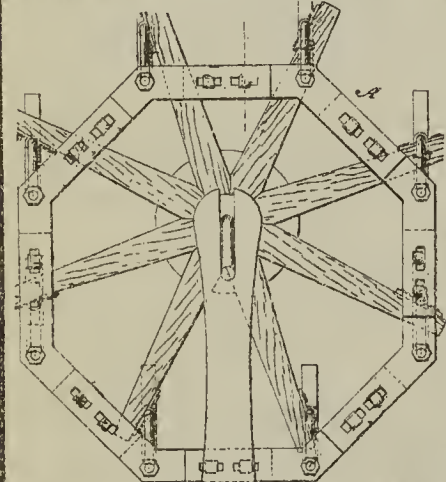
114,020. MACDONALD & CALVERLY.
Printing-Presses.



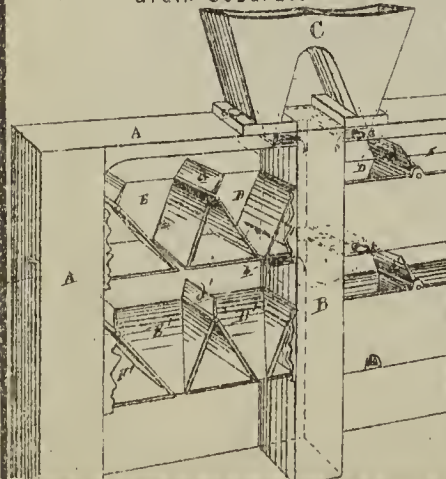
114,021. M. H. MANSFIELD.
Discharge-Spouts



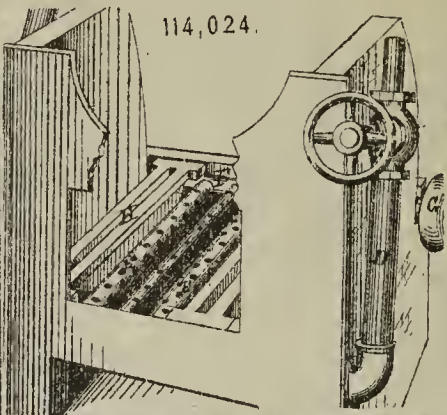
114,022.
E. MATHERS.
Paddle-Wheels



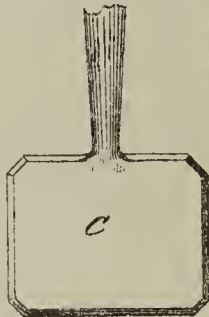
JOSEPH MILLER.
114,023. Grain-Separators



THOMAS F. MORRISON.
Furnaces for Steam-Boilers
114,024.



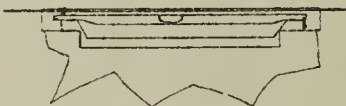
114,025. FRANCIS B. MORSE.
Making Carriage-Steps.



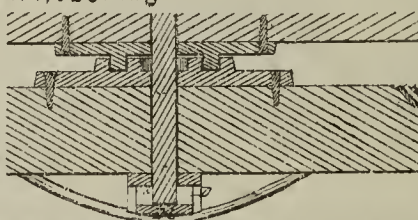
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114,026

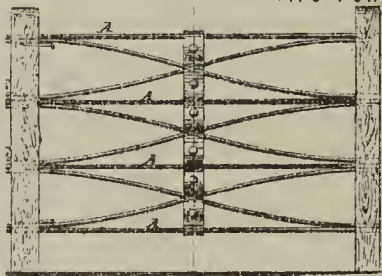
J. MORSS & F. B. ABEL.
114,027. Adjustable Spirit-Levels.



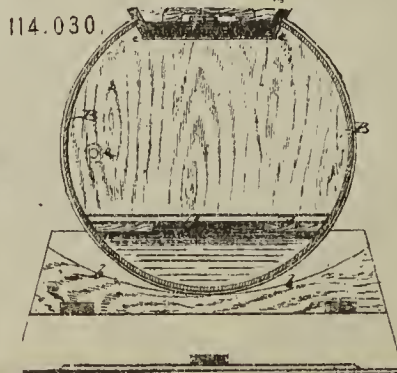
S. W. MURRAY & B. P. LAMASON.
114,028 King-Bolts for Car Trucks.



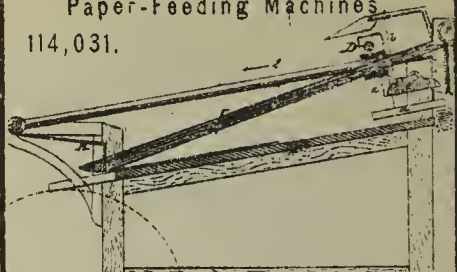
114,029. Z. NICHOLSON.
Wire-Fences.



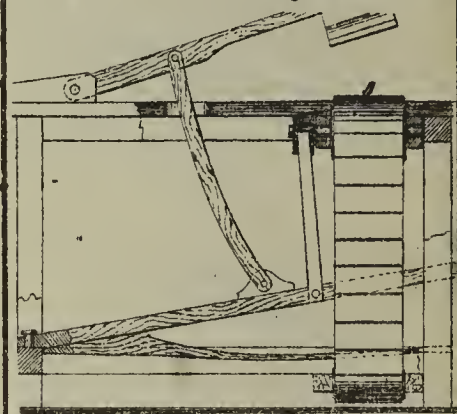
JAMES M. NOBLE.
Washing-Machines.



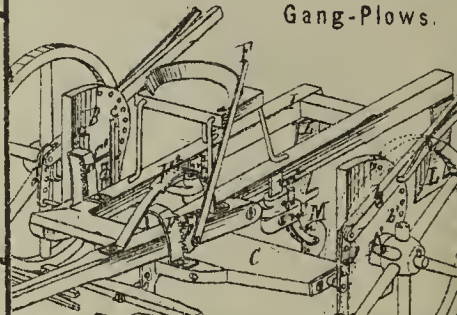
O. NORELIUS.
Paper-Feeding Machines
114,031.



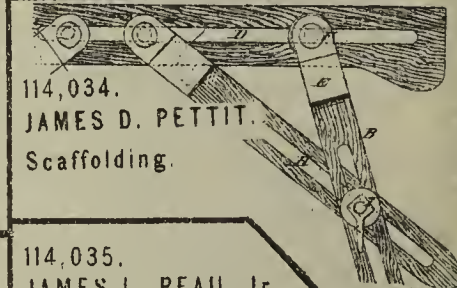
P. O'CONNER. 114,032.
Newspaper-Addressing Machines.



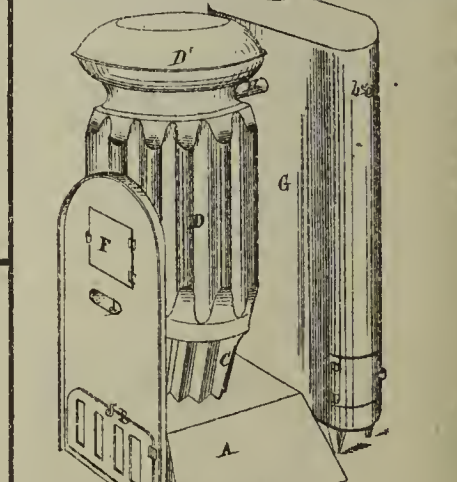
114,033. JOSEPH OLER.
Gang-Plows.



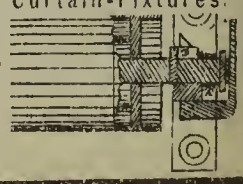
114,034.
JAMES D. PETTIT.
Scaffolding.

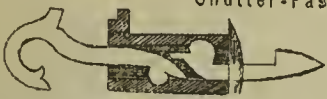
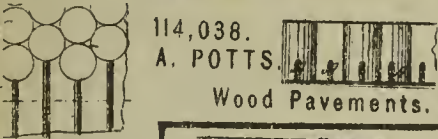
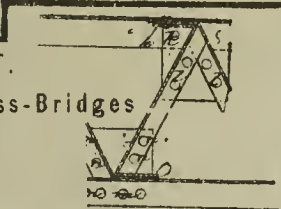
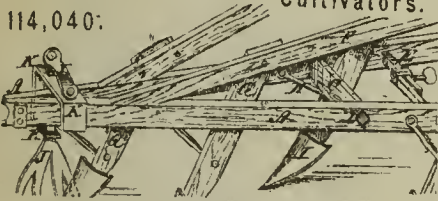
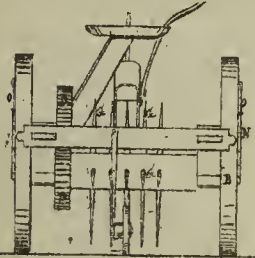
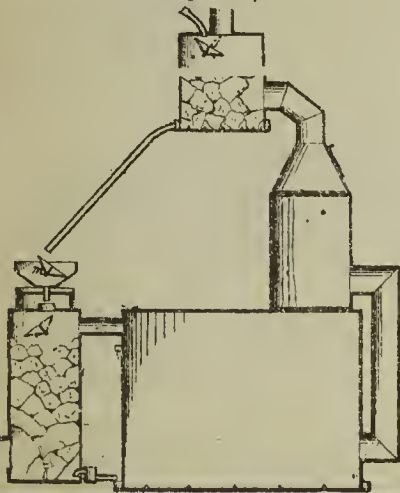
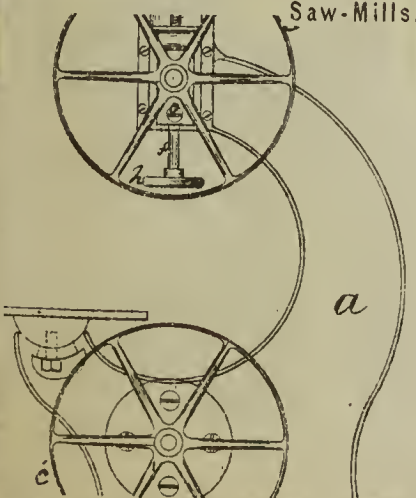
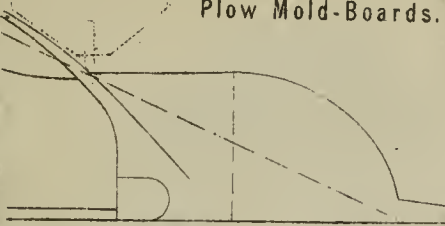
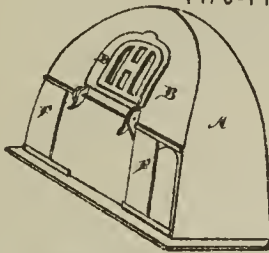
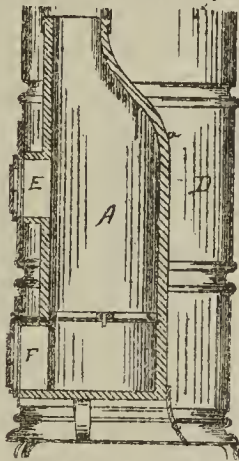
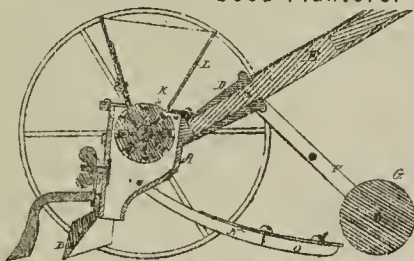
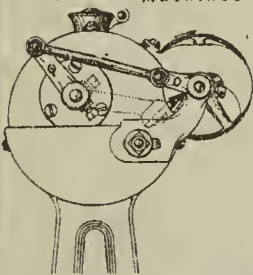


114,035.
JAMES L. PFAU, Jr.
Hot-Air Furnaces.

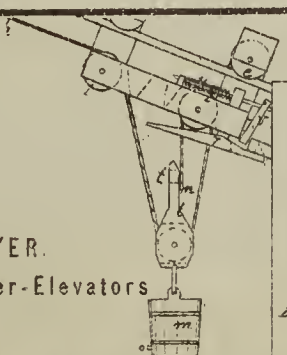
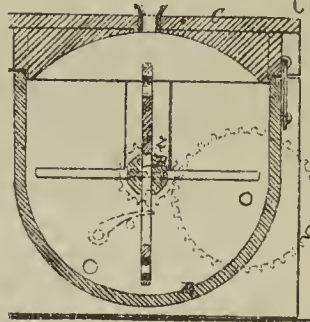
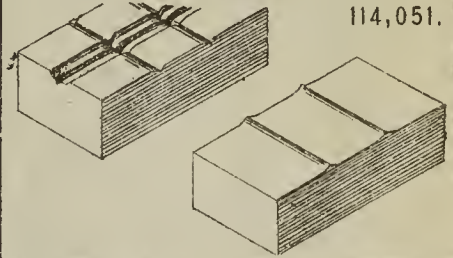
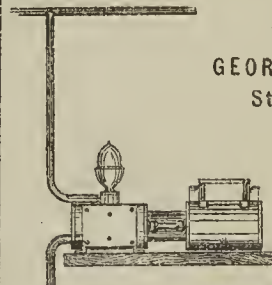
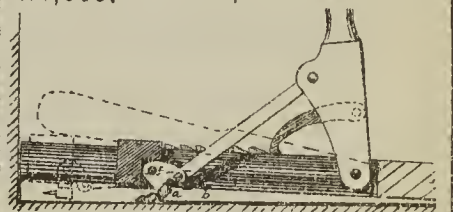
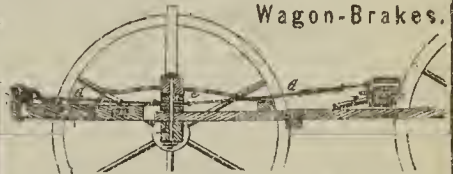
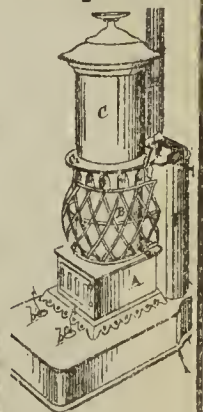
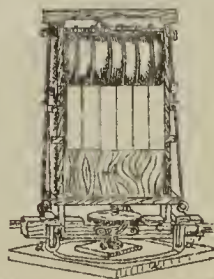


114,036.
P. W. PHILLIPS
Curtain-Fixtures.

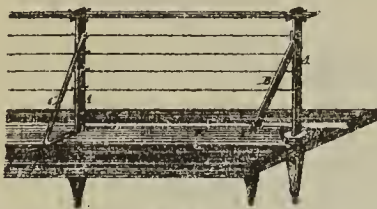


114,037. PHYFE & PERRINE.
Shutter-Fasteners.114,038. A. POTTS.
Wood Pavements.T. W. PRATT.
Truss-Bridges.
14,039.114,040. I. N. PYLE.
Cultivators.114,041. SQUIRE RANSOM.
Potato-Diggers.114,042. ST. J. RAVENEL
Making Sulphuric Acid.114,043. J. RICHARDS.
Saw-Mills.114,044 L. P. RIDER.
Plow Mold-Boards.114,045 P. M. ROCHE.
Fire-Places.P. ROHDIN & C. OSTERGREN.
114,046. Heating-Stoves.CHARLES R. SARGENT.
114,047. Seed-Planters.CHARLES G. SARGENT.
114,048. Machines for Oiling Wool.

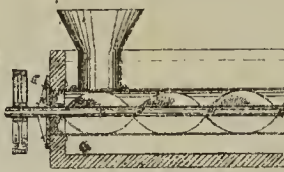
114,049.

P. W. SAWYER.
Water-Elevators114,050 H. SCHULTDREES.
Churns.M. SEWARD.
Dies for Forging Carriage-Clips.
114,051.114,052.
GEORGE SEWELL.
Steam-Boilers.E. P. SHAFFER.
114,053. Carpet-Stretchers.114,054. R. C. SHOCKLEY.
Wagon-Brakes.114,055. A. S. SHONTZ.
Heating-Stoves.114,056
F. SIMMONS.
Cotton-Presses.

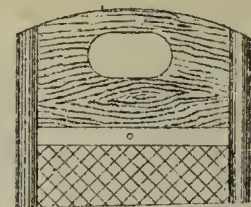
114,057. A. C. SISSON.
Wire-Fences.



JAMES D. STURGES.
114,063. Apparatus for Cooling and Mixing Soap.



114,070. H. C. WHITE.
Graters.

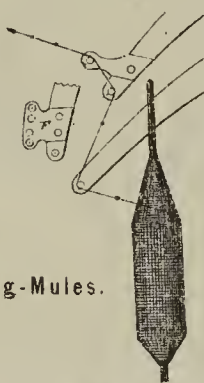


114,069
JOHN MURRAY
WALLACE.
RECOLORING
FABRICS.

JAMES Y. SITTON.
114,058. Carriage-Wheels.

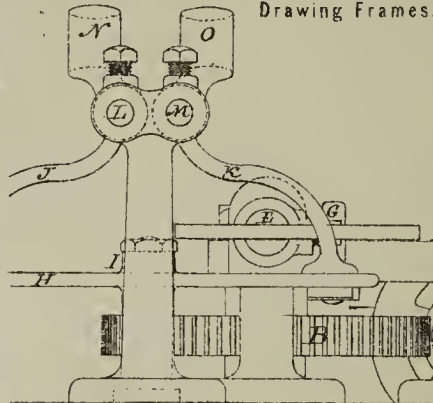


114,059.
JOSEPH SMITH.

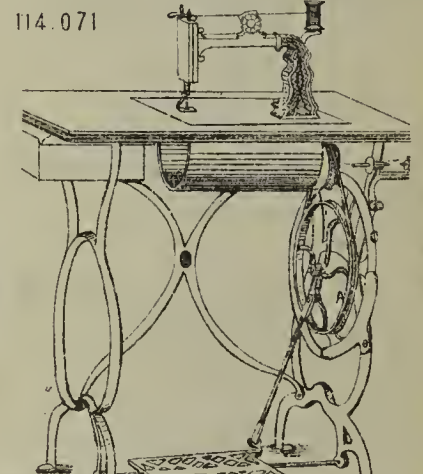


Fallers for Spinning-Mules.

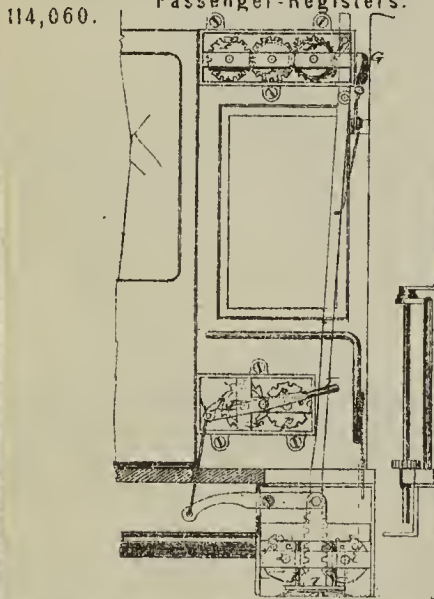
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Drawing Frames.



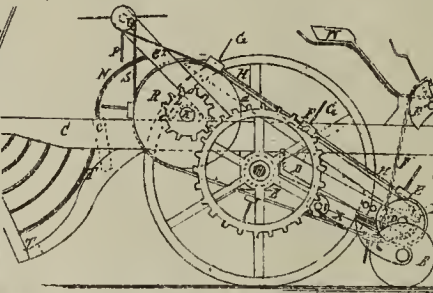
F. E. WHITESIDE.
Stops for Sewing-Machines.



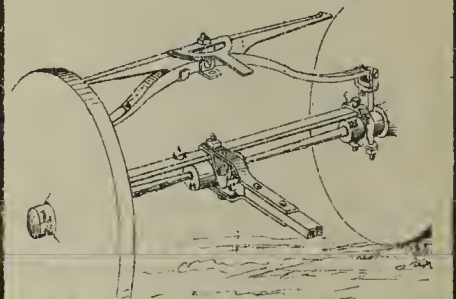
M. SPRINGWATER.
114,060. Passenger-Registers.



F. A. THAYER.
114,065 Hay-Rakes and Tedders.



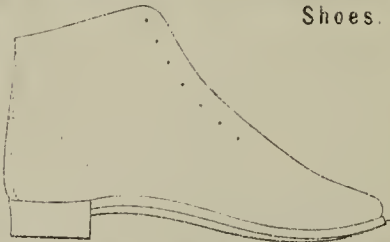
ELI WIGLE. 114,072.
Running-Gear for Carriages.



114,066. TURNER & WILKINSON.
Seed-Planters.



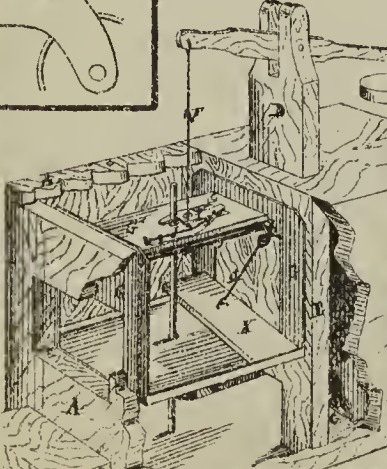
114,067. C. E. TYLER.
Shoes.



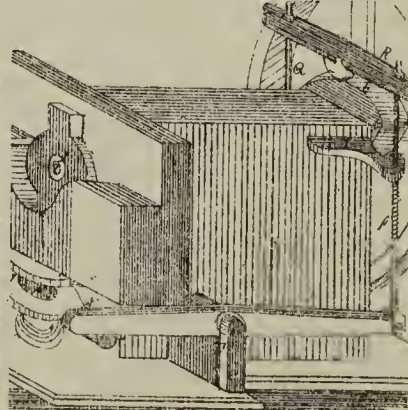
A. G. STEVENS.
114,061. Furniture-Casters.



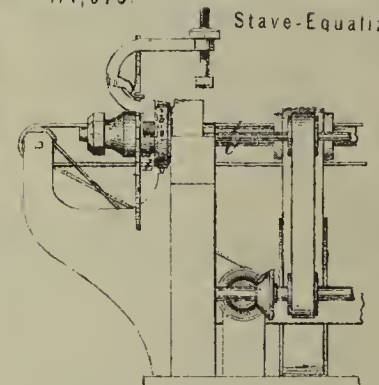
114,062.
STOWE & LOOP.
Animal-Traps.



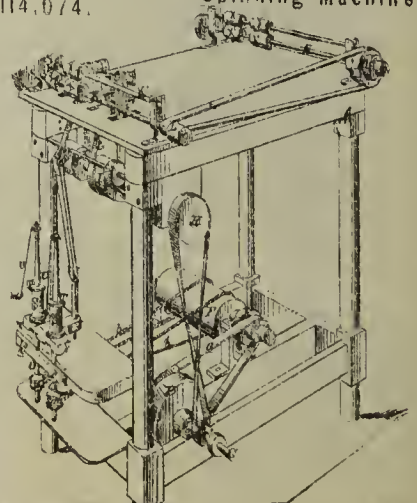
I. VAN HAGEN.
114,068. Punching and Stamping Metal.

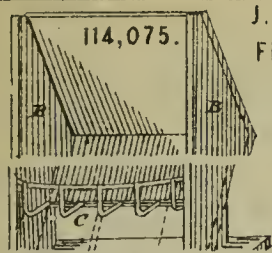


114,073. H. S. WILEY.
Stave-Equalizers.



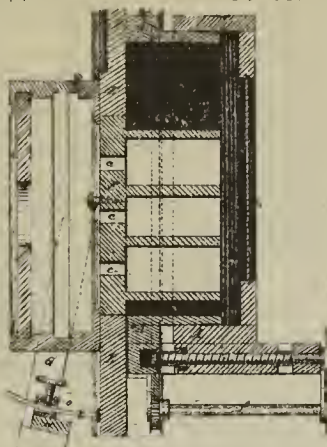
S. M. WILLIAMS & H. M. WILLIAMS.
114,074. Spinning-Machines.





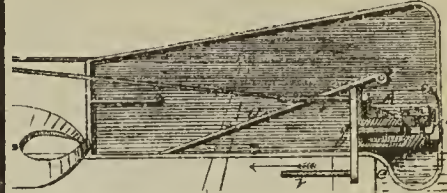
J. E. WOOD.
Fire-Places.

O. ACKERMAN.
114,082. Supports for Camera-Boxes.

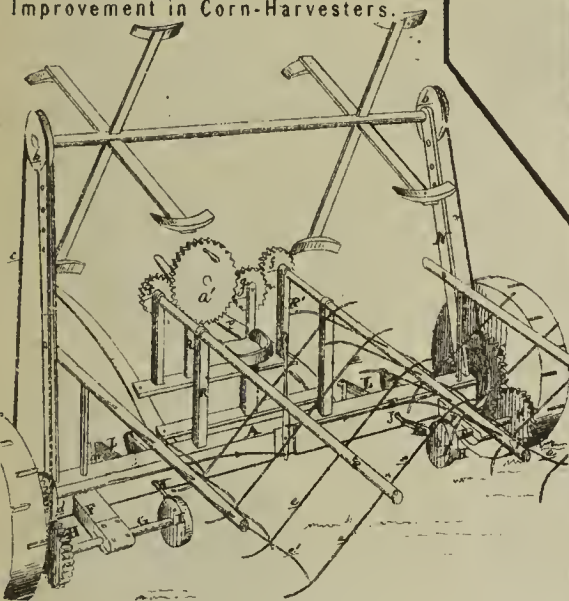


ANDREWS, RANDALL & CLAGUE.

114,087. Paper-Feeding Machines.

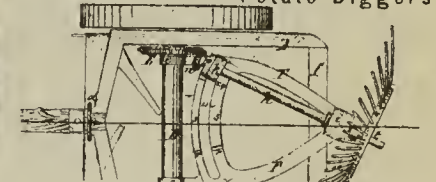


114,076. A. N. WOODARD.
Improvement in Corn-Harvesters.



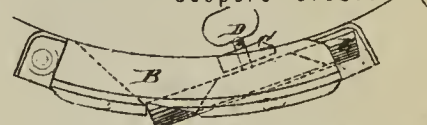
S. E. ANTHONY.

114,088. Potato-Diggers



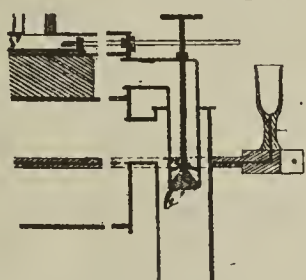
J. APPLGATE & C. FEIOCK.

114,089. Coopers' Crozes.



HENRY W. ADAMS.

114,083. Vacuum-Engines



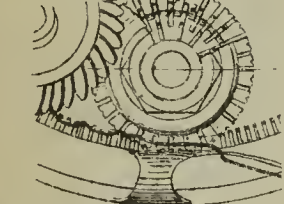
114,091. AVERY & AVERY.

Gloves.



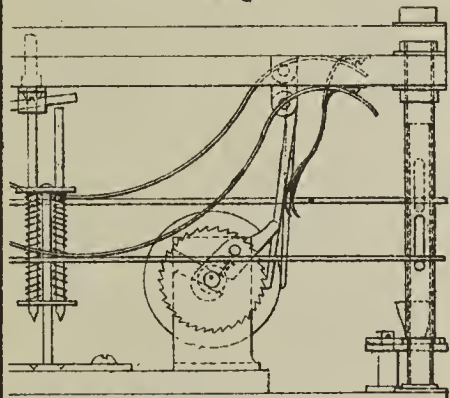
114,090. EDWARD T.
ATWOOD. FLUXES FOR
REFINING IRON

H. WOODMAN. 114,077.
Dividing-Wheels



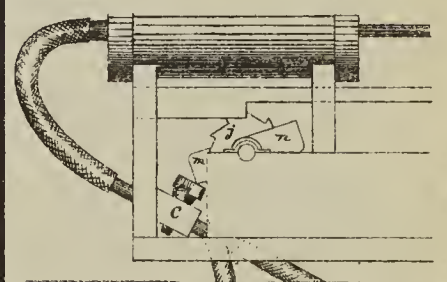
GEORGE H. ALDRICH.

114,084. Passenger-Recorders.

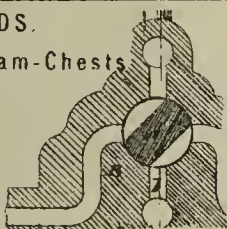


J. A. AYRES.

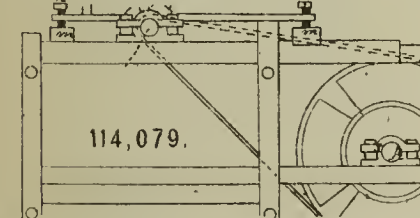
114,092. Elevating Water.



P. N. WOODS.
Valves and Steam-Chests
114,078.

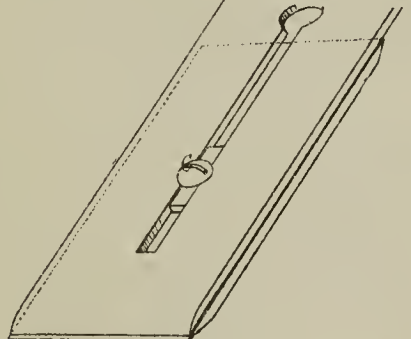


E. H. WOODSUM. Gain-Cutters.



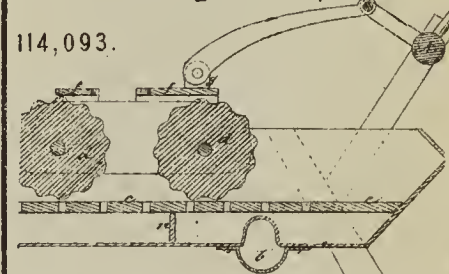
I. ALMY & S. A. DRAKE.

114,085. Plane-Irons



J. S. BALSLEY.

Washing-Machines.

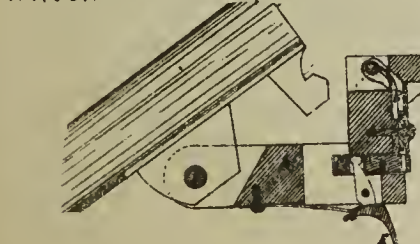


B. WRIGHT & W. C. PARK.

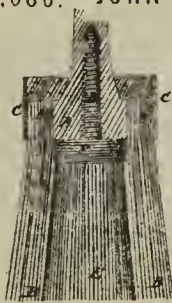
114,080. Gavel-Forks.



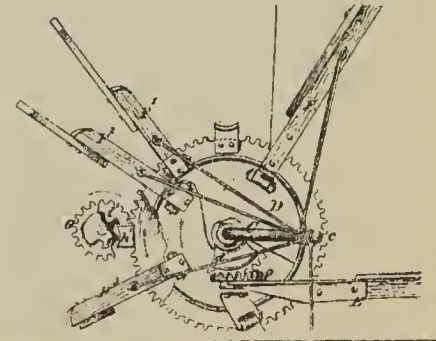
F. J. ABBEY & J. H. FOSTER.
114,081. Breech-Loading Fire-Arms

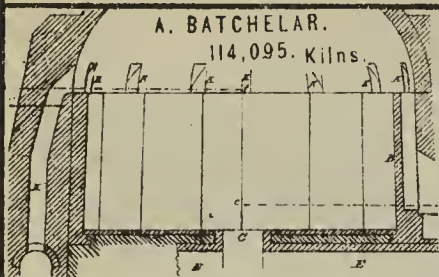


114,086. JOHN AMES, Jr.
Paint-Brushes.

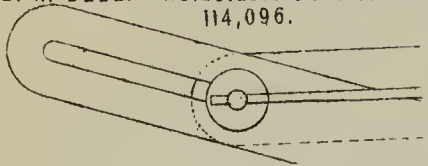


JOHN BARNES.
114,094. Harvester-Rakes.

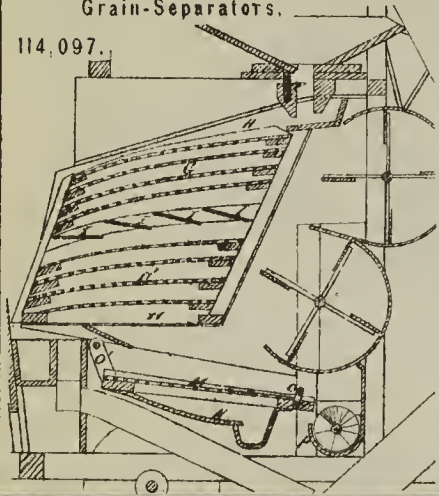




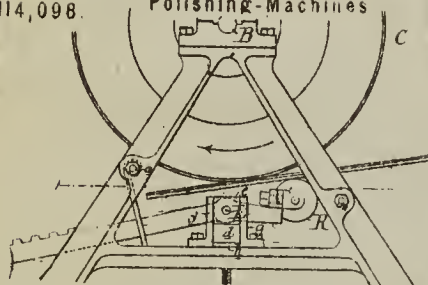
E. A. BELL. Adjustable Bevels.
114,096.



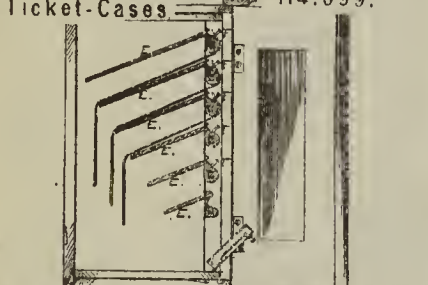
DANIEL BEST.
Grain-Separators.
114,097.



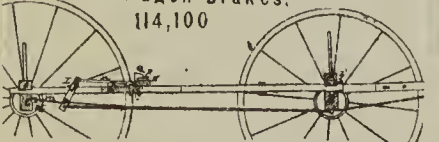
SAMUEL BEVAN.
Polishing-Machines
114,098.



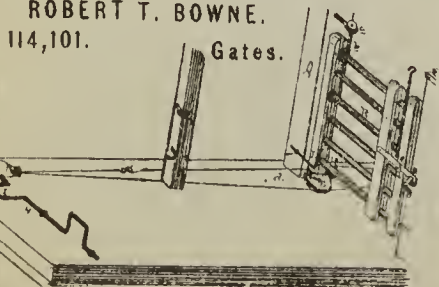
JOHN F. BIRCHARD.
Ticket-Cases. 114,099.



S. R. BOLTON.
Wagon-Brakes.
114,100



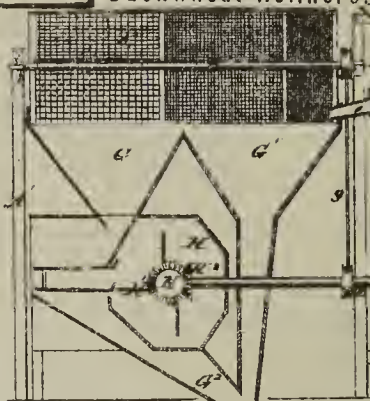
ROBERT T. BOWNE.
114,101. Gates.



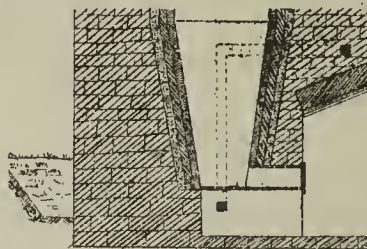
114,102. JOHN BRADLEY.
Ventilators for Railroad-Cars



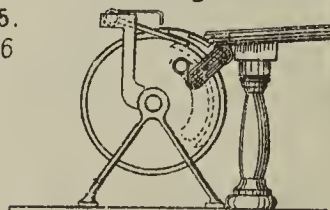
114,103.
D. D. BREWSTER.
Buckwheat-Refiners.



114,104. A. CALIFF. Lime-Ovens.

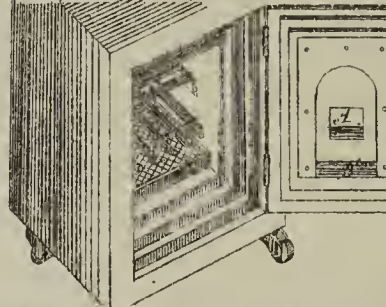


A. CAMPBELL. Printing-Presses.
114,105.
114,106



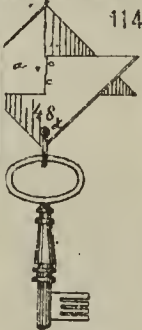
J. W. CAMPBELL, Sr.

114,107. Burglar-Proof Safes.

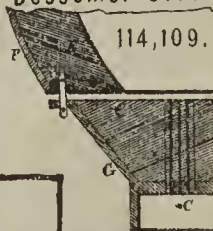


114,108.

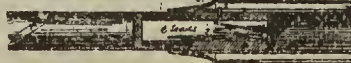
CHARLES L. CARTER.
Key-Tags.



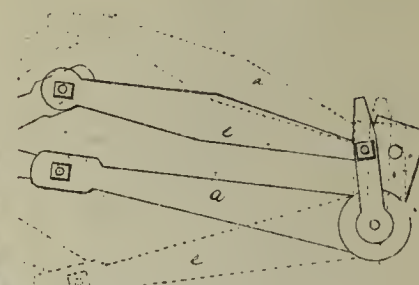
HENRY CHISHOLM.
Bessemer-Steel.
114,109.



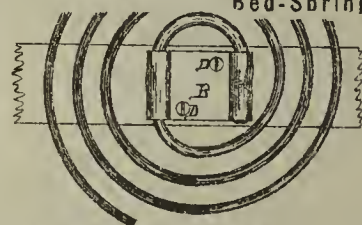
114,110.
JAMES M. CLARK.
Pen and Pencil Cases.



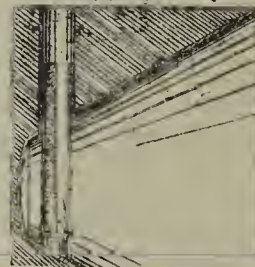
JOHN CORLEY.
Mechanical Movements.
114,111.



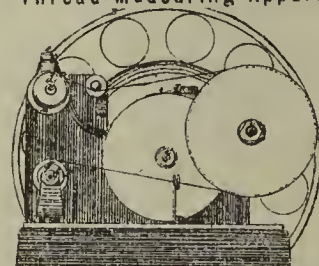
114,112. D. V. CRANDALL.
Bed-Springs.



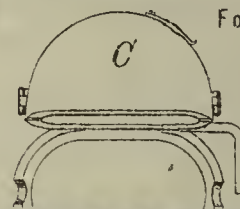
THOMAS A. DAVIES.
114,113. Lamp-Chimneys.



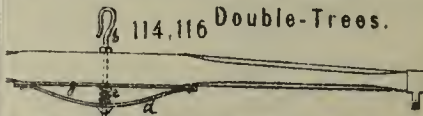
114,114 L. DIMOCK.
Thread-Measuring Apparatus.



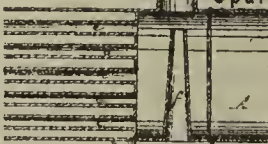
114,115. W. DUNKERLY.
Forge-Bonnets.



M. DURNELL & W. MILNER.
114,116 Double-Trees.



114,117 WILLIAM W. ELLIOTT.
Spark-Arresters.



114,118.
ELLSWORTH, WILCOX & SEABURY
Improvement in Weather-Strips.



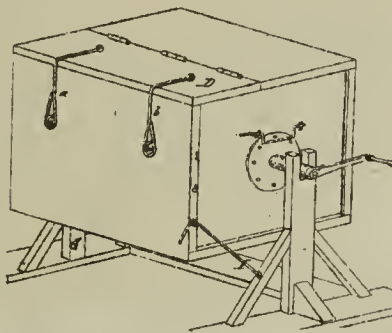
114,119. GEORGE A. ENGLAND.

Pocket Fire-Escapes.



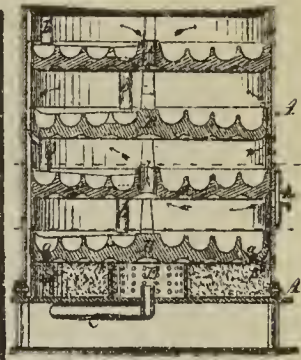
HENRY A. GASTON.

114,126. Washing-Machines



CHARLES S. S. GRIFFING.

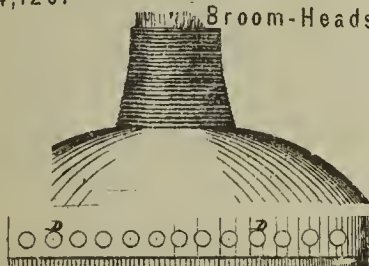
114,132 Feed-Water Heaters.

114,133. WILLIAM BARKERVILL
HAMILTON.
IMPROVEMENT IN FERTILIZING
COMPOUNDS.

CHARLES FISCUS.

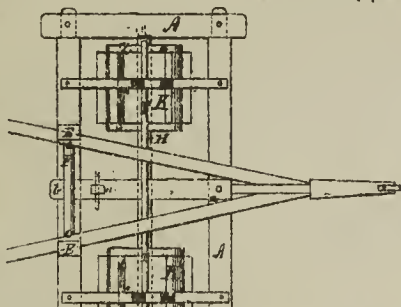
114,120.

Broom-Heads.



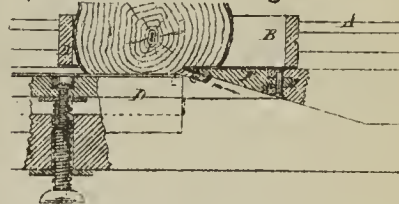
JAMES H. GATLING. 114,127.

Cotton and Corn-Stalk Choppers.



T. HANVEY.

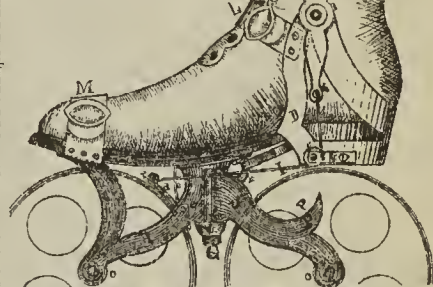
114,134. Veneer-Cutting Machines.



G. W. HAWK.

114,135.

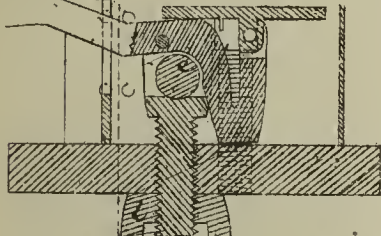
Wheel-Skates.



B. F. FISK & M. B. STONE.

114,121.

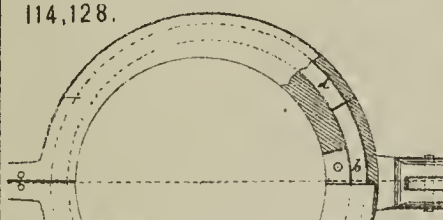
Heel-Dies.



A. GILL.

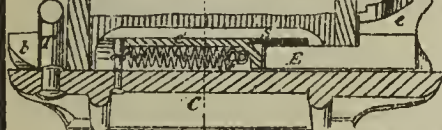
Connections of Booms to Masts.

114,128.



114,122. W. H. FITZ GERALD.

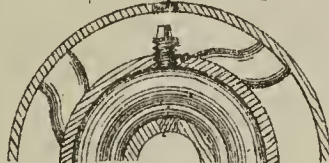
Axle-Box Covers.



J. GOODRICH & H. J. COLBURN.

114,129.

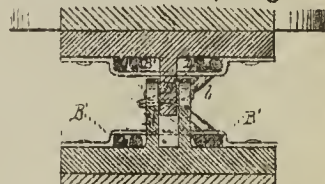
Self-Oiling Pulleys.



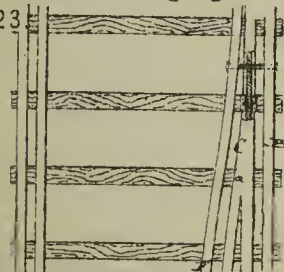
B. HERSHEY.

114,136.

Torsion-Springs

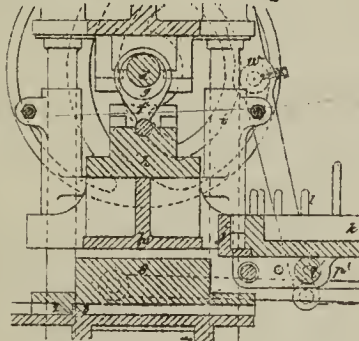
T. FOGG.
Switches for Changing the Gauge

114,123



114,130. JOHN GOUGH.

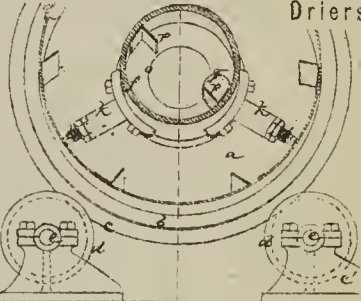
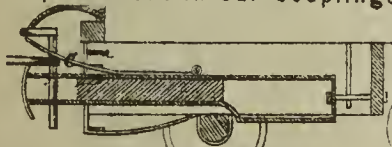
Improvement in Printing-Presses.



114,137

CHARLES H. HERSEY.

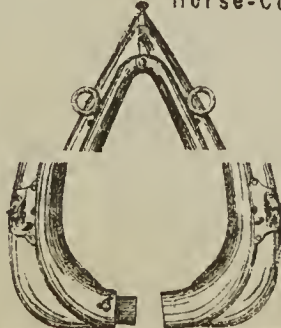
Driers.

114,124. E. L. FOREMAN.
Improvement in Car-Couplings.

WILLIAM H. GRAY.

114,131.

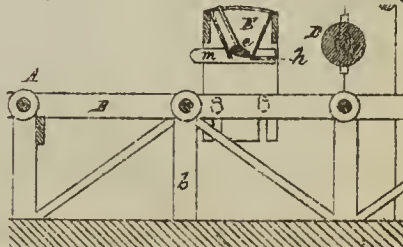
Horse-Collars.



D. HITCHCOCK & W. GIBBS.

114,139.

Manufacture of Roofing.



HOBBS, BROCKUNIER & LEIGHTON
Manufacture of Lamp-Shades.

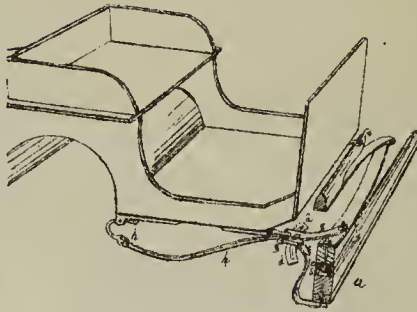
114,140.



114,149.

ROBERT JACK.

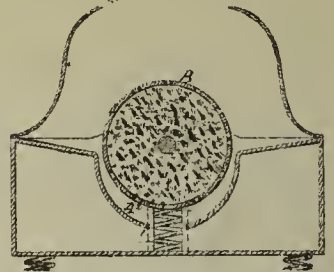
Vehicles.



114,157

CARRIE R. LAMAN.

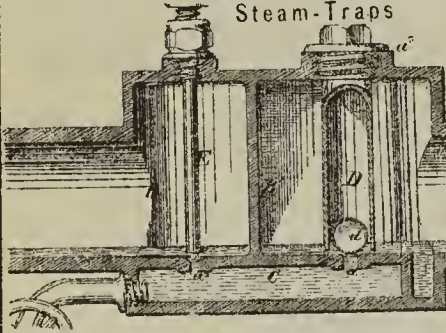
Lubricating Railway-Journals.



114,141

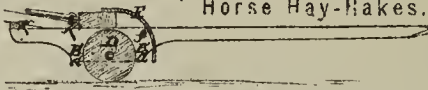
JAMES W. HODGES.

Steam-Traps



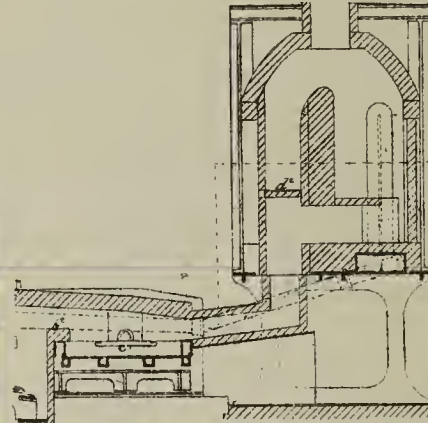
114,150. O. S. JARVIS.

Horse Hay-Rakes.



114,151 JONES, HOWSON & GJERS.

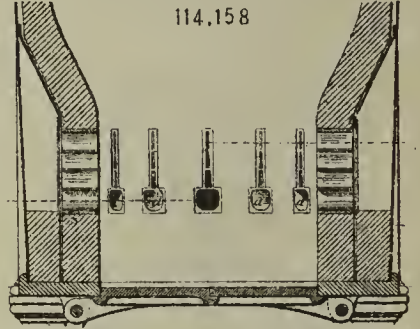
Puddling and other Furnaces.



F. LAWRENCE.

Tuyeres for Cupola-Furnaces.

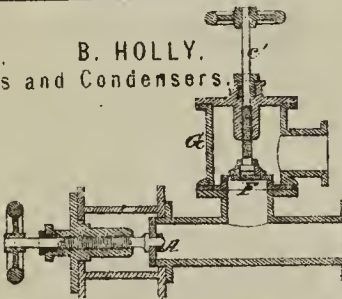
114,158



114,142.

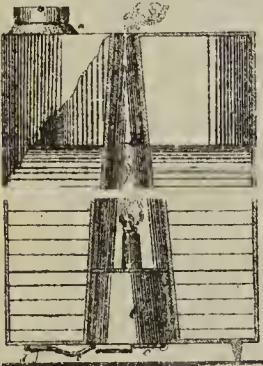
B. HOLLY.

Heaters and Condensers.

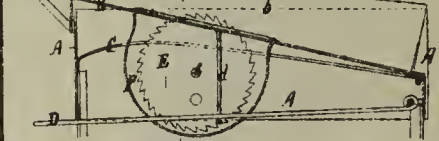


S. HUGHES. 114,143

Self-Heating Pocket-Flasks.

JOHN LEE, Jr. & JOHN LEE, Sr.
Band-Cutting Attachments for Thrashing-Machines.

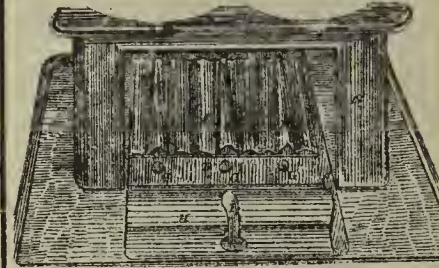
114,159.



114,160.

WILLIAM D. C. LLOYD.

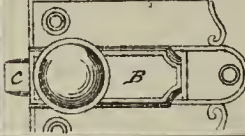
Cooking-Stoves.



ALBERT D. JUDD.

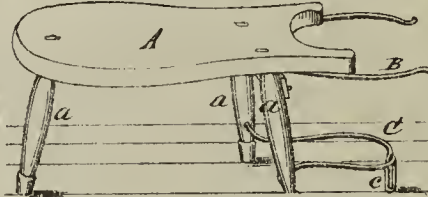
114,152

Cupboard-Latches.



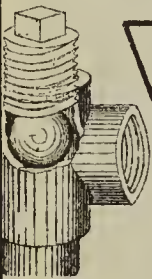
114,153.

JUDSON N. KNAPP Milking-Stools.



W. HUMPHREYS. 114,144.

Gas-Service Pipes



JOHN M. HUNTER.

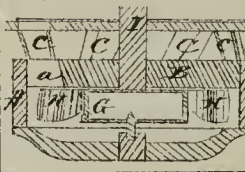
114,145.

Shoe-Soles.

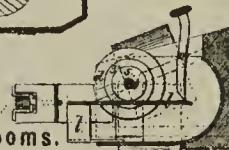


114,154. JOHN L. KURTZ.

Water-Wheels.

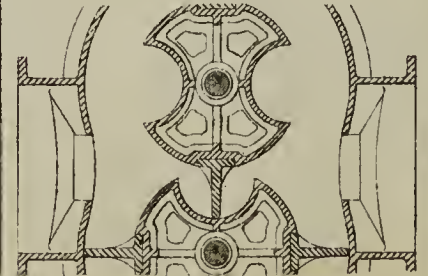
114,155.
J. KUTTNER.

Shuttles for Looms.



R. LAIDLAW & JOHN THOMSON.

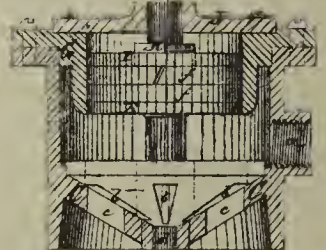
114,156. Apparatus for Exhausting Gas



K. H. LOOMIS.

114,162.

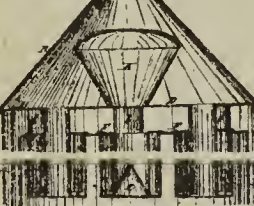
Balance-Valves.



WILLIAM H. IVENS.

Steam-Generators.

114,146.

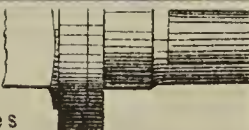


114,148

114,147.

E. W. IVES.

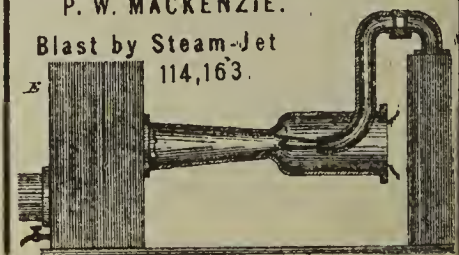
Carriage-Axles



P. W. MACKENZIE.

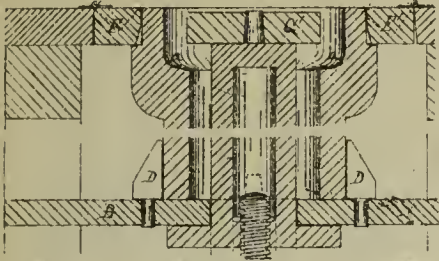
Blast by Steam-Jet

114,163.



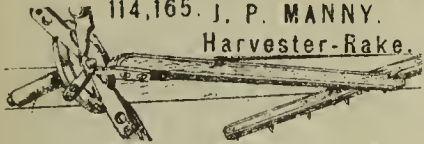
T. MADELEY.

114,164. Molds for Sewer-Pipe.



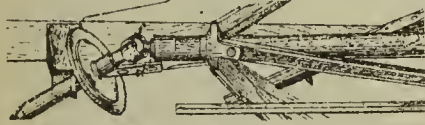
114,165. J. P. MANNY.

Harvester-Rake.



114,166 JOHN P. MANNY.

Harvester-Rakes.



114,167. E. W. MARBLE.

Shuttles for Looms.



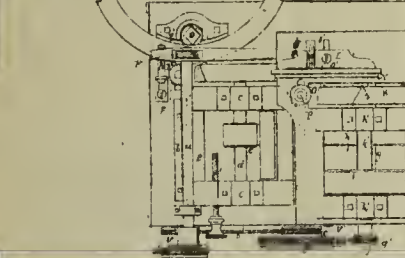
D. G. MARDEN.

114,168. Horse-Powers.



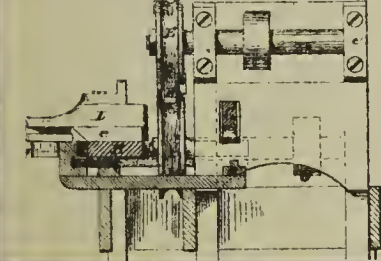
D. P. MARSTON.

114,169. Dressing Wheel-Fellys.



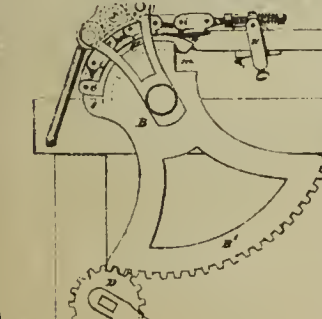
114,170. E. G. MATTHEWS.

Forming Plow-Handles.

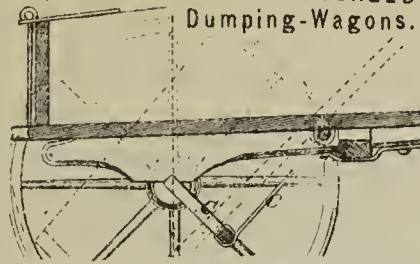
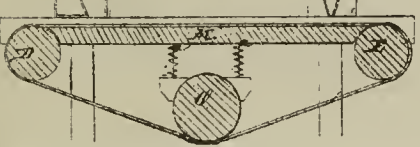


114,171. E. G. MATTHEWS.

Wood-Bending Machines.

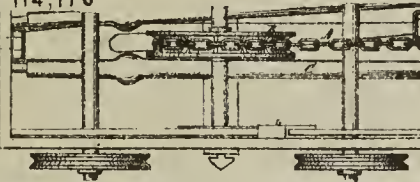


114,172. FREDERICK E.
MATTHEWS.
COMPOSITIONS FOR
PAVEMENTS.

114,173. McCaleb & McCaleb.
Dumping-Wagons.114,174. McCONNELL & PIERCE.
Making Roofing-Fabrics

McPHEETERS & McPHEETERS.

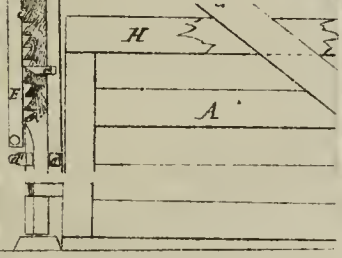
114,176 Water-Elevators.



114,177.

J. L. MEREDITH.

Gates.



114,175.
W. M. P. McCONNELL.
METALS FROM ORES.

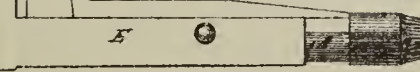
LEVI MOORE.

114,178. Fences.



114,179. F. B. MORSE.

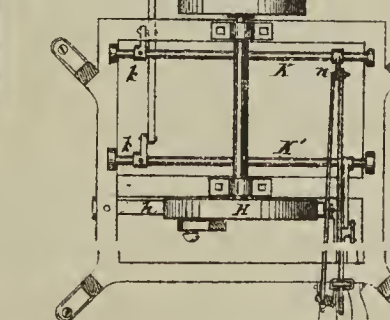
Wrenches.



J. S. MOSELEY.

Scroll-Sawing-Machines.

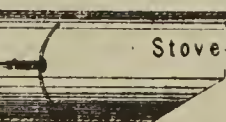
114,180.



DANIEL MURPHY.

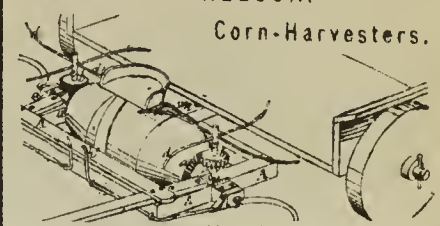
Stove-Pipe Cleaners.

114,181.



114,182. R. L. NELSON.

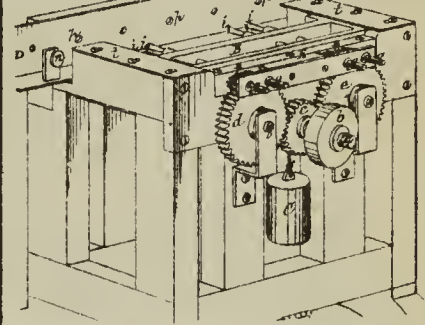
Corn-Harvesters.



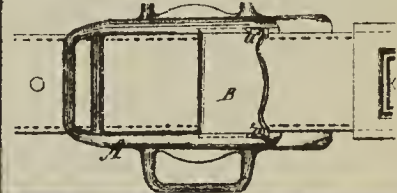
R. L. NELSON.

Boring and Mortising.

114,183.

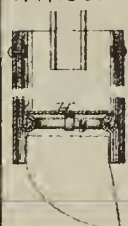


114,184

GEORGE OLDHAM, Jr.
Trace-Buckles.

THOMAS ORCHARD.

114,185. Earth-Augers.



114,186.

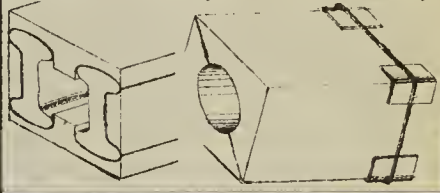
JOHN W. OSBORNE.
Steeping-Tanks.

114,187.

J. OSTRANDER.

114,188

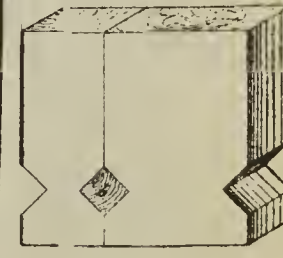
Piles for Nut-Blanks.



114,189.

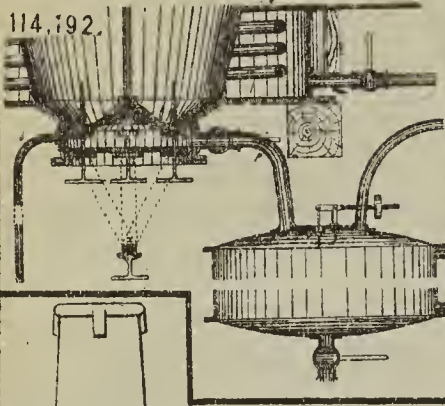
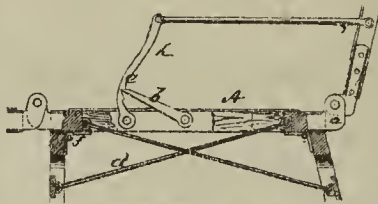
J. A. OTIS.
Fence-Posts

114,190.

H. E. PAINE.
Wood Pavements.

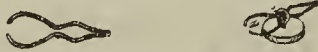
114,191.

D. D. PARMELEE.
Electroplating

A. F. W. PARTZ. Refining Sugar.
114,192.114,199. F. W. RICHARDSON.
Folding-Chairs.

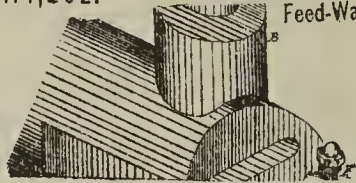
A. M. RICHMOND.

114,200. Button-Fasteners.



WILLIAM G. RILEY.

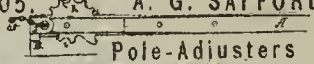
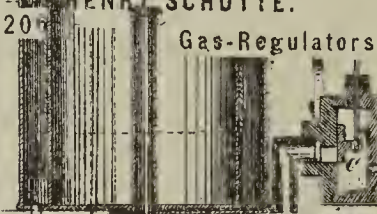
114,201. Trace-Buckles.

114,202. THOMAS ROBERTS.
Feed-Water

114,203. M. ROHRER. Harvesters.



ROWLAND & ENGLISH.

Wire-Thread for Sewing Leather.
114,204.114,205. A. G. SAFFORD.
Pole-AdjustersHENRY SCHUTTE.
114,206. Gas-Regulators.

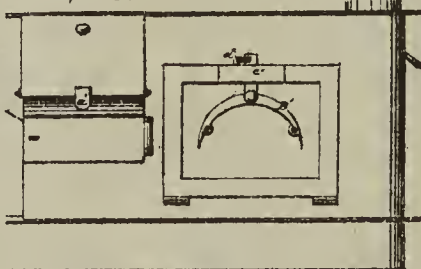
G. H. SCOUGALE.

114,207. Railway-Switch Chairs.



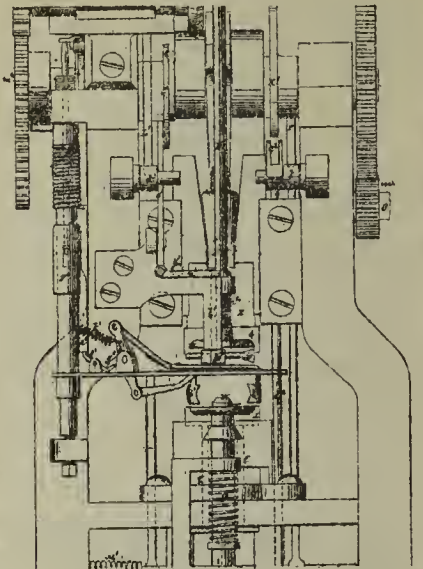
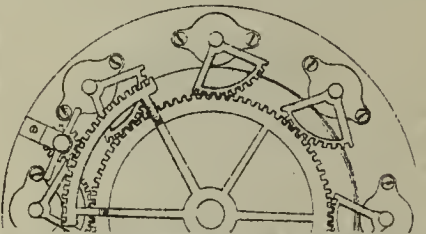
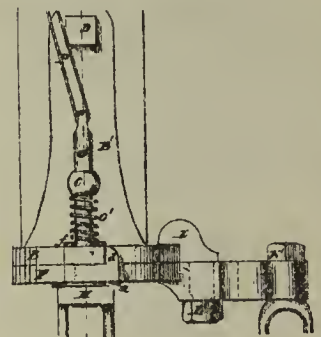
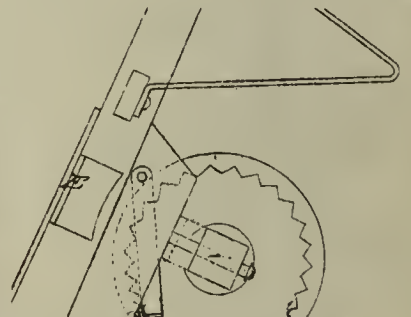
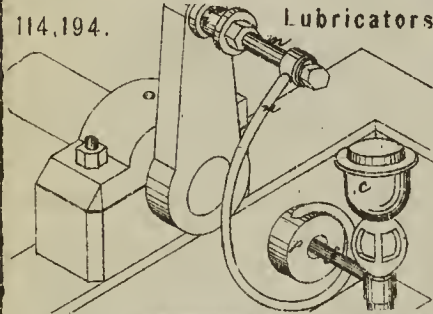
J. SEGONDY & M. RAVOLD.

114,208. Cooking-Stoves.



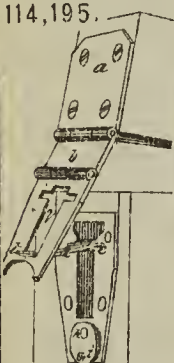
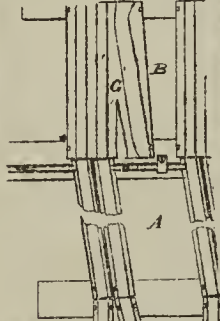
SHOREY & BUTLER.

114,209. Slats for Window-Shades.

114,210. T. J. SLOAN.
Porcelain-Knob Machines.114,211. E. L. SMALL.
Water-Wheels.SMALL, MATTHEWS & HOLBROOK.
Swivel-Clevises for Plows.
114,212.114,213. A. V. SMITH.
Store-Trucks114,214. SMITH & SMITH.
Buckles.WILLIAM E. PHILLIPS.
114,194. Lubricators.

L. RANSOM.

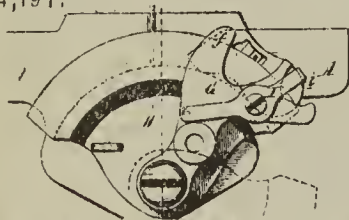
Trunk-Fasteners.

P. V. M. RAYMOND.
114,196. Railway-Switches.

Sewing-Machines.

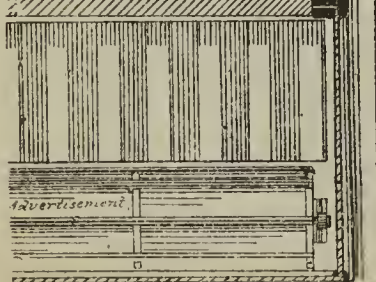
114,197.

GEORGE REHFUSS.



W. H. REIFF. 114,198.

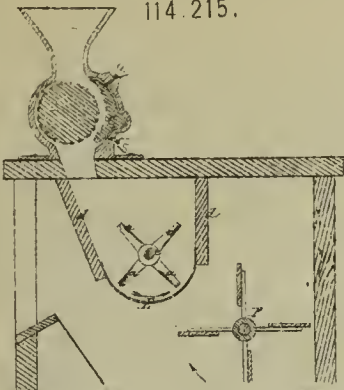
Advertising Devices.



JAMES W. SMITH.

Grist-Mills and Cotton-Seed Hullers.

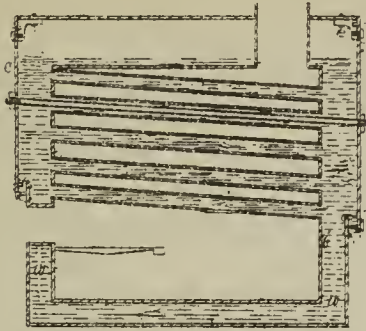
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114,222.

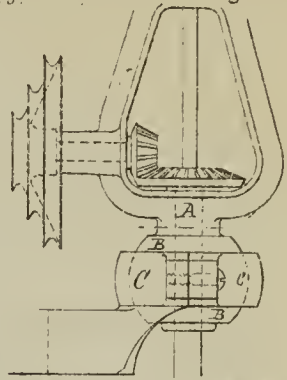
DANIEL SULLIVAN.

Boilers.



WILLIAM H. THORNE.

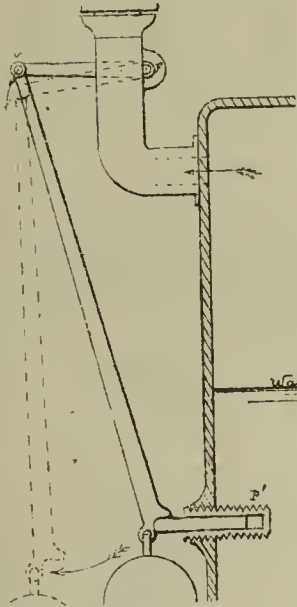
114,229. Portable Drilling-Machines.



JOHN STANTON.

114,216.

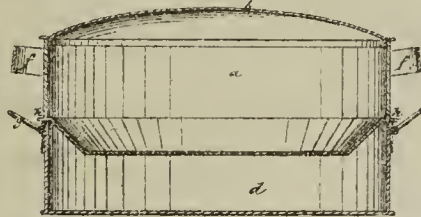
Low-Water Alarms.



114,224.

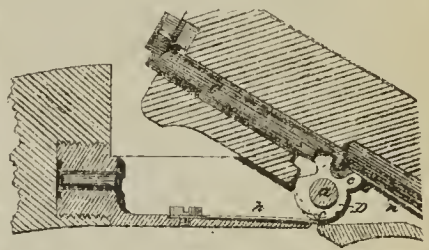
G. W. TAYLOR.

Ash-Sifters.



F. TIESING & C. GERNER.

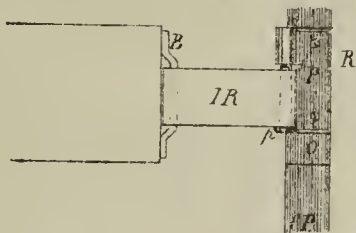
114,230 Breech-Loading Fire-Arms.



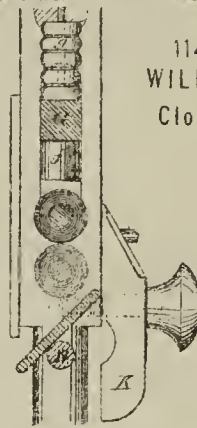
A. E. THAYER.

114,225.

Spring Bed-Bottoms.

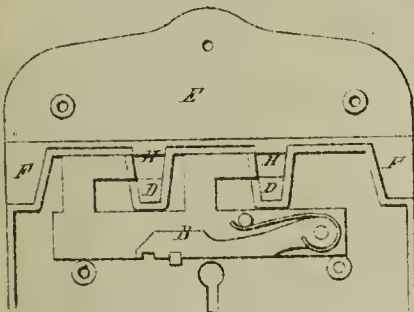


114,231.

WILLIAM H. TOWERS.
Clothes-Wringers.

114,217. JOSEPH STANTON.

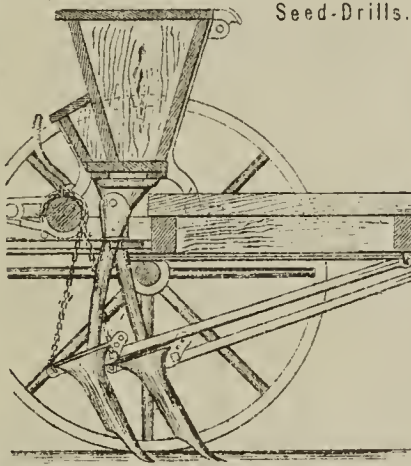
Trunk-Locks.



114,226.

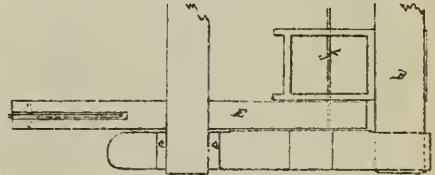
JOHN H. THOMAS.

Seed-Drills.



114,232. J. T. TROWBRIDGE.

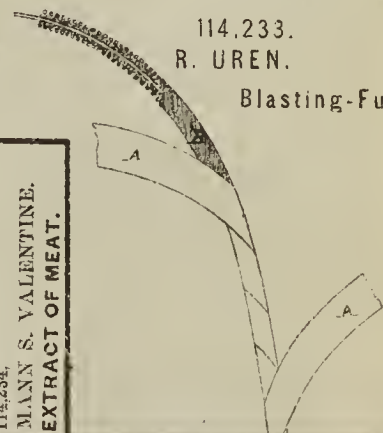
Seeders and Cultivators



114,233.

R. UREN.

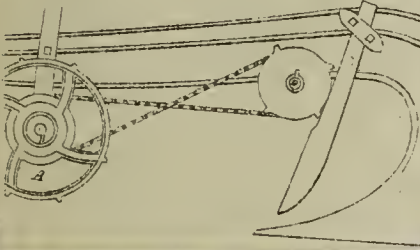
Blasting-Fuzes.



114,220

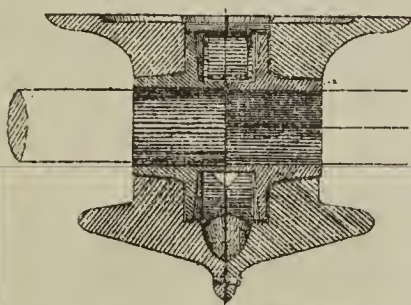
W. H. STONE.

Plow-Colters



JOHN H. THOMAS. 114,227

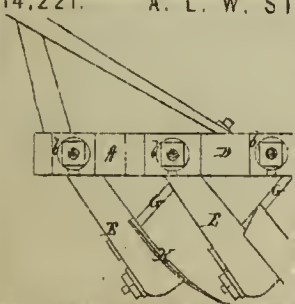
Feed-Rollers for Grain-Drills.

114,234.
MANN S. VALENTINE.
EXTRACT OF MEAT.

114,221.

A. L. W. STROUD.

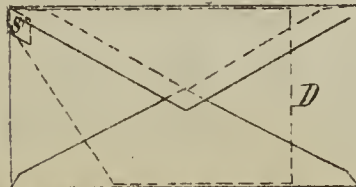
Plow



J. P. THOMPSON.

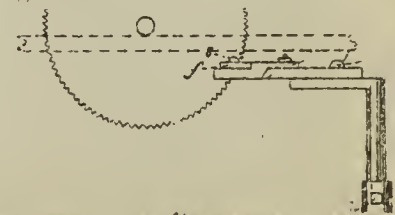
114,228.

Envelopes.

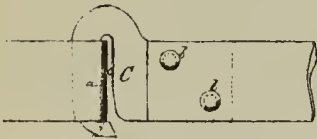


DAVID W. WASHBURN.

114,235. Guides for Circular-Saws.

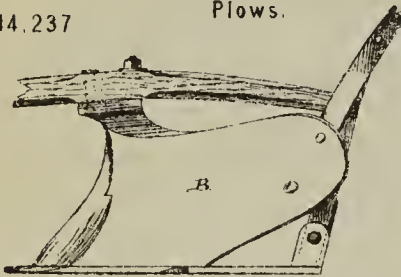
114,223.
F. R. TAYLOR.
HAIR-DRESSINGS.

114,236. FRANCIS WATKINS.
Bale-Ties.

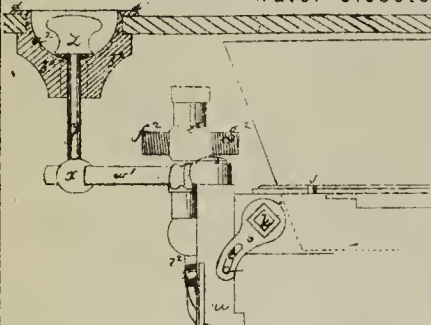


ADAM WEABER.

114,237 Plows.



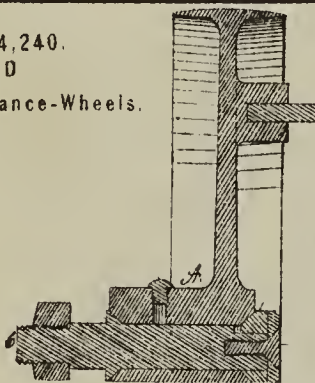
114,238. D. WELLINGTON.
Water-Closets.



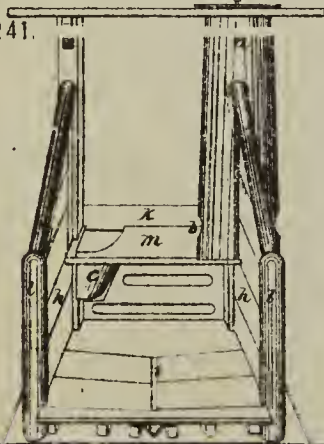
M. V. B. WHITE.
114,239. Mail-Bag Fastenings.



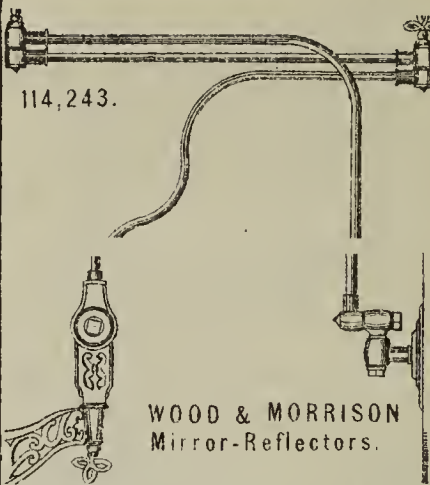
114,240.
F. W. WILD
Balance-Wheels.



JOHN WILKINSON. Horse-Stalls.
114,241.



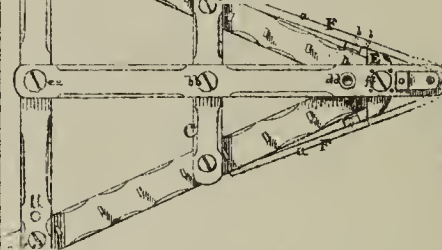
114,242. RICHARD H. WINSBOROUGH.
PREPARATION AND APPLICATION OF
PYROXYLINE FOR DENTAL PLATES.



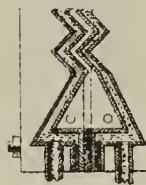
114,243.

WOOD & MORRISON
Mirror-Reflectors.

114,244. C. WYCKOFF, Jr.
Combined Harrows.



J. YATES & E. DEVELL.
Condensers for Stills

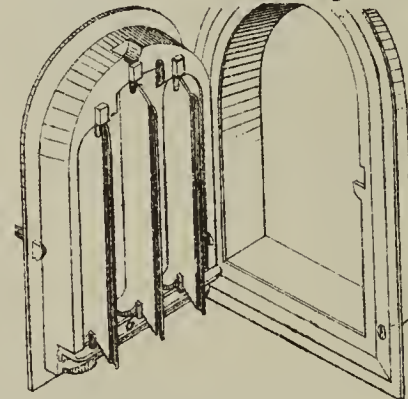


114,245

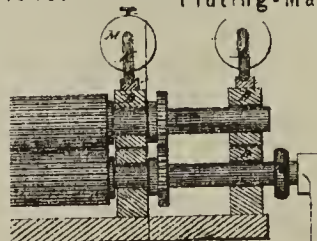
114,246.
ROBERT W. YOUNG.
COMPOSITION
BLACKBOARDS.

WILLIAM YOUNG.

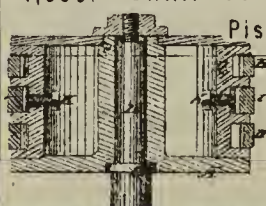
114,247. Hot-Air Registers.



HENRIETTA H. COLE.
4,349. Fluting-Machines.

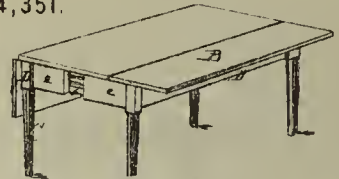


4,350. ORRIN COLLIER.
Piston-Packings.

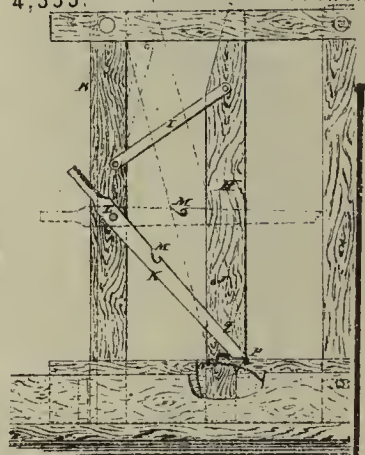


J. DOURSON & C. HORN.
Fall-Leaf Extension-Tables

4,351.



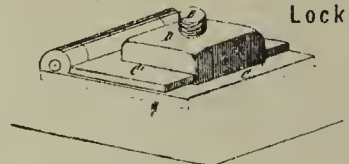
WALTER C. GIFFORD.
4,353. Stanchions.



CANCELED.

4,352

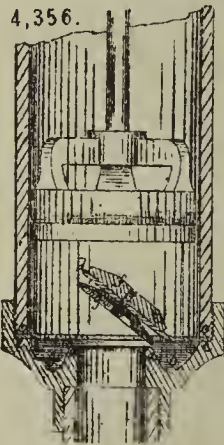
4,354. JAMES H. GRIDLEY.
Lock-Nuts



4,355.
LEWIS KING.
Lightning-Rods.



WILLIAM H. POLLARD
4,356. Pump-Valves.



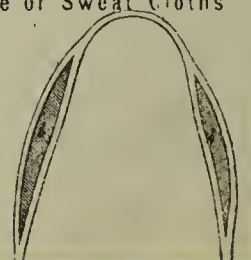
4,357.



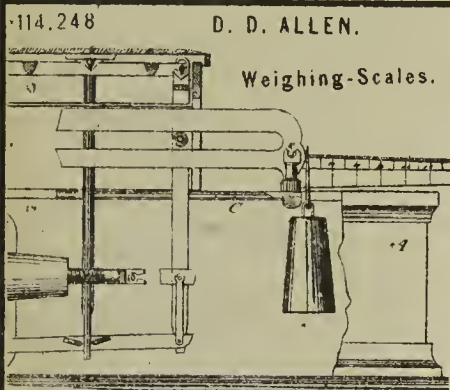
CONDIT PRUDEN.
Machines for Bending Wood.

ROBERT SPENCER.
Saddle or Sweat Cloths

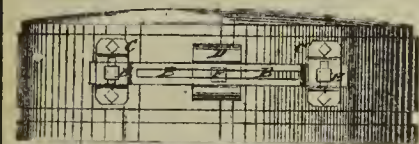
4,358.



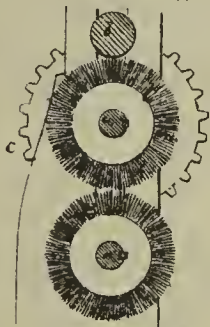
ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
MAY 2, 1871.



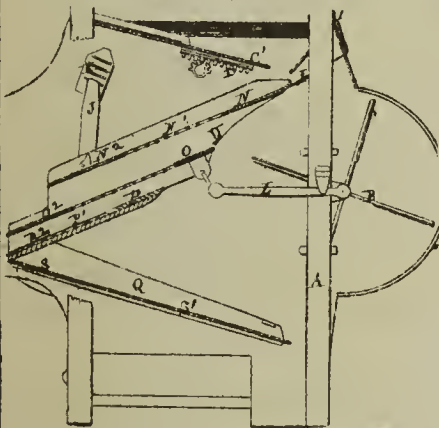
114,249. JOHN A. ALTHOUSE.
Millstone-Balances.



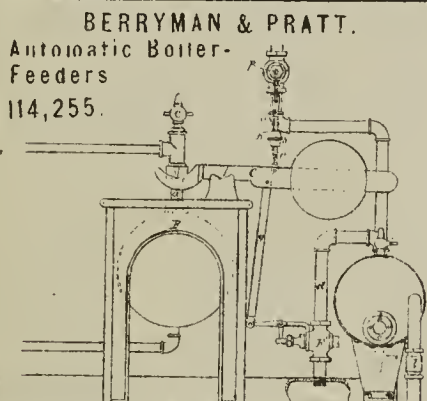
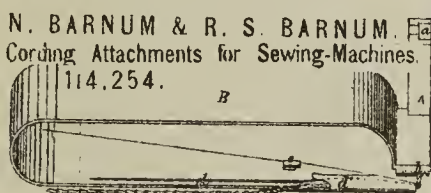
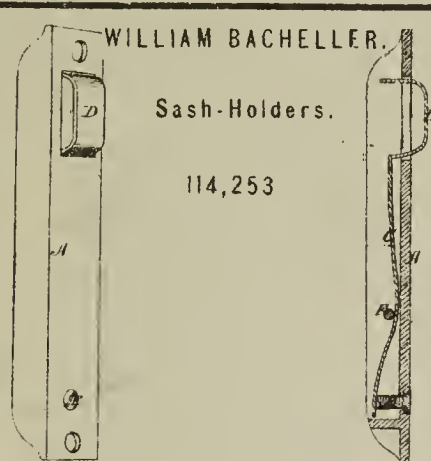
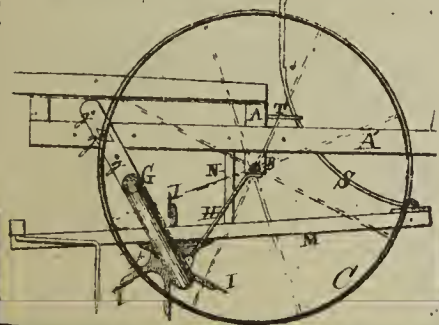
114,250. A. ASSMANN.
Washing-Machines.



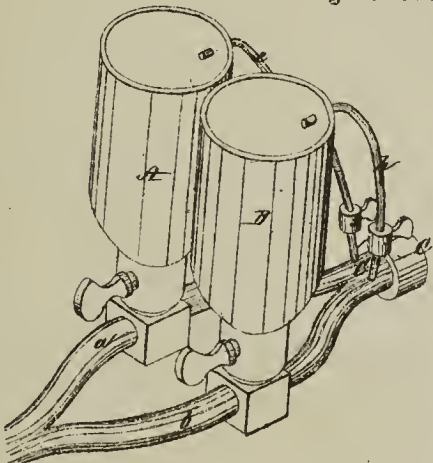
114,251. S. K. AYRES.
Grain-Separators.



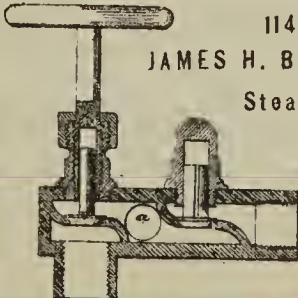
BABCOCK, STILSON & LEIDY.
Stalk-Cutters. 114,252.



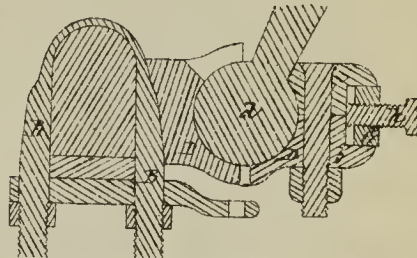
114,256. C. BLAKE.
Fire-Extinguishers.



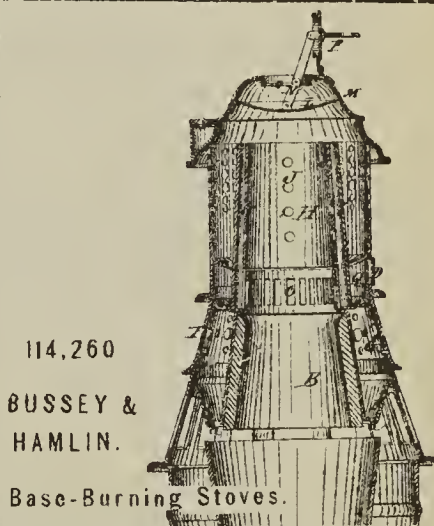
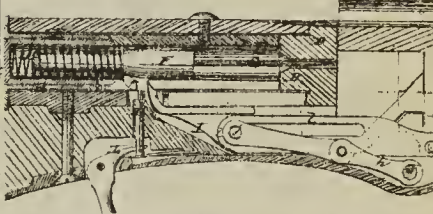
114,257.
JAMES H. BLESSING.
Steam-Traps.



114,258 GEORGE I. BRADLEY.
Thill-Couplings



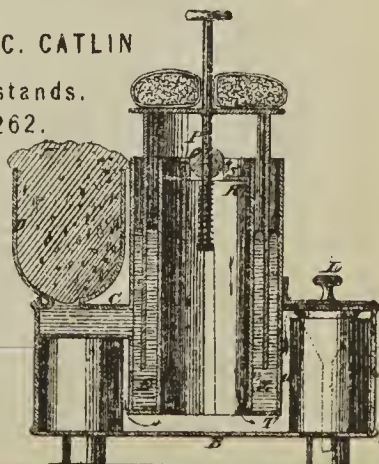
114,259. H. BUCHNER.
Breech-Loading Fire-Arms.



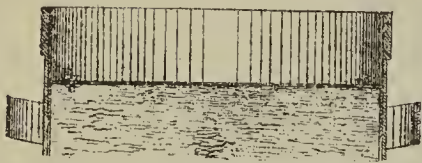
WILLARD M. CARPENTER.
Infants' Shoes.
114,261.



S. C. CATLIN
Inkstands.
114,262.

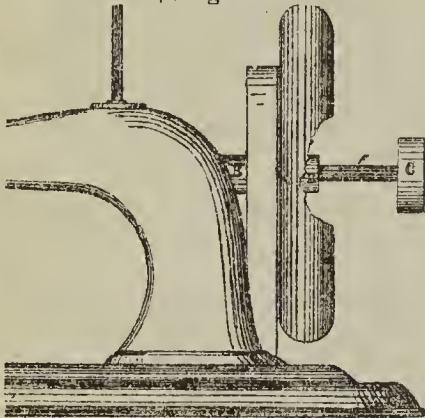


114,263. A. CHANDLER.
Cheese-Hoop Flanges.

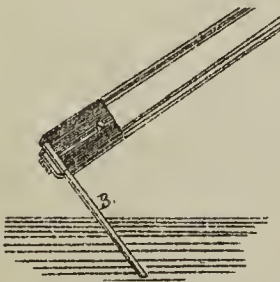


114,264. ALBION R. CLAPP.
MEDICAL PURPOSES.

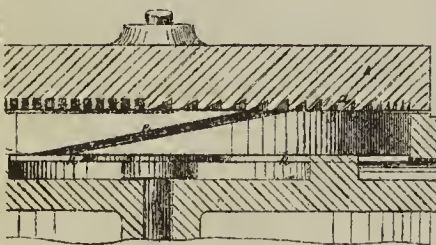
114,265 CELIA P. CLARK.
Needle-Sharpening Attachments



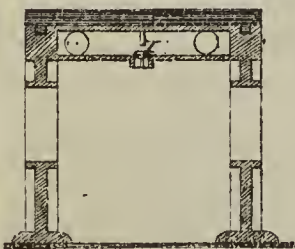
114,266.
I. COOK & J. T. BEVER. Hoes.



114,267.
THOMAS COOK & JOHN WATSON.
Meters.



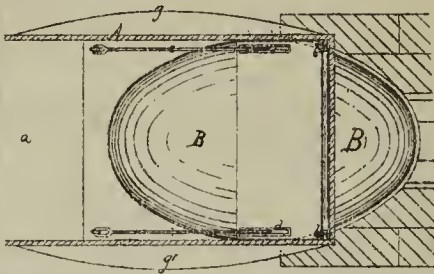
114,268. C. B. COTTRELL.
Printing-Presses.



114,269. H. CROCKER, Jr.
Whiffletree-Couplings

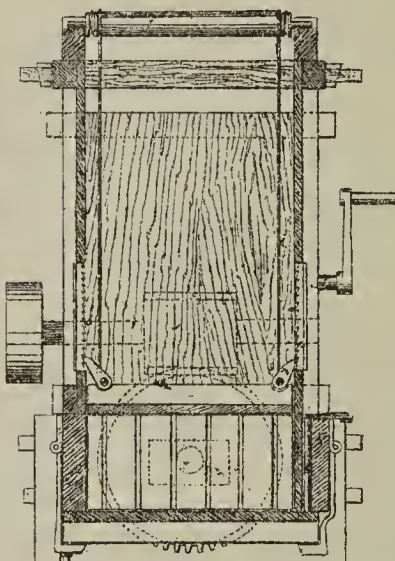


114,270. THOMAS DARK.
Stench-Traps for Street-Sewers.

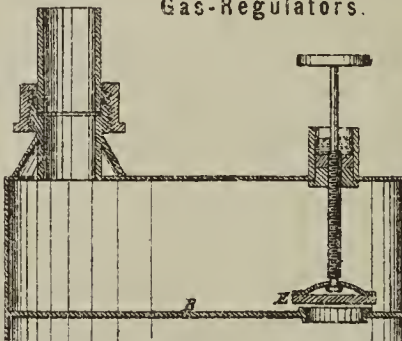


HENRY J. DAVIS.
Cotton-Presses.

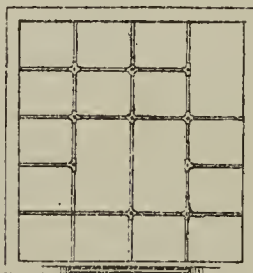
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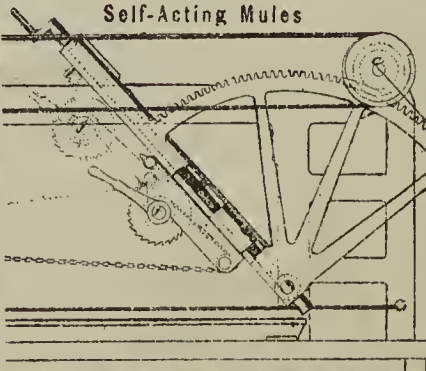
114,272. O. DEAN.
Gas-Regulators.



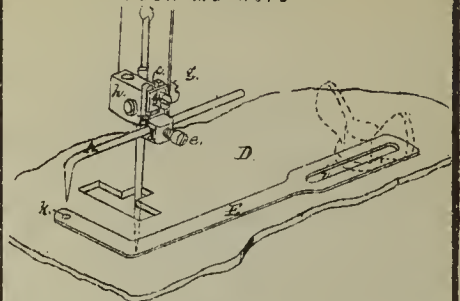
114,273. A. T. DE PUY.
Printers' Cases.



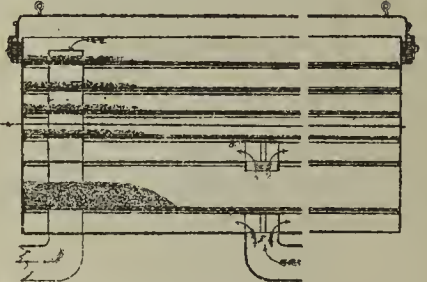
114,274. JOHN DODD.
Self-Acting Mules



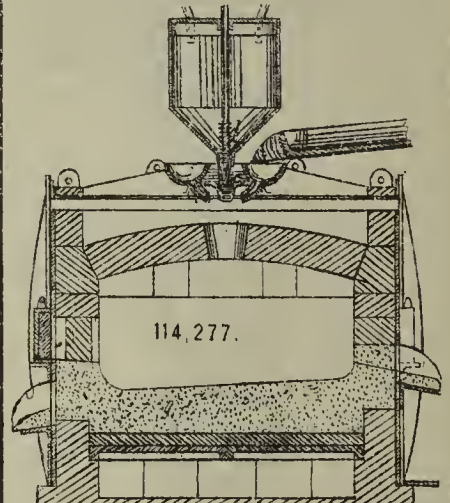
114,276. G. L. DULANEY.
Tuck-Markers



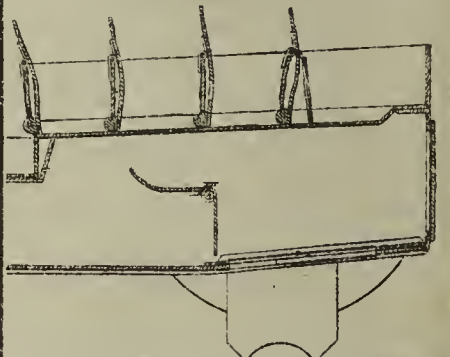
114,275. EDWARD DUFFEE.
Dry-Gas Purifiers.



Z. S. DUFFEE.
Manufacture of Iron and Steel.



114,278. STEPHEN P. DYER.
Evaporators.



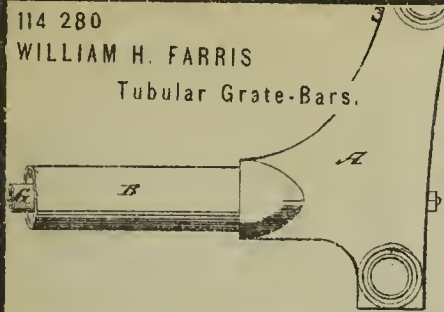
114,279.
JAMES P. ELLIOTT.
Stove-Pipe Shelves.



114 280

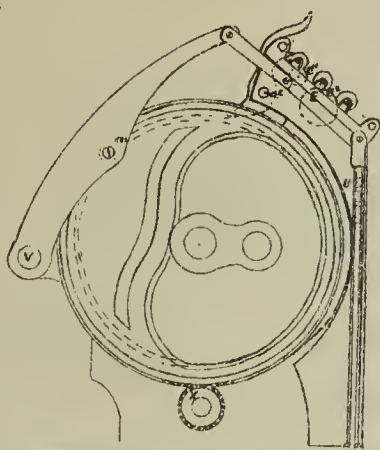
WILLIAM H. FARRIS

Tubular Grate-Bars.



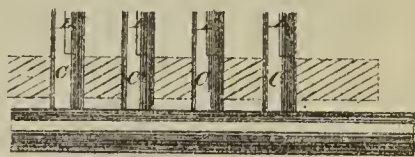
114,285. M. GALLY.

Printing-Presses.



114,291. B. A. HAYCOCK.

Draught-Promoters



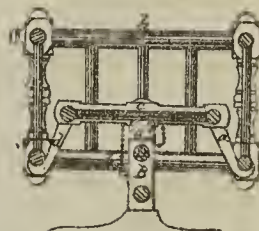
114,281. SAMUEL C. FOSTER.

Nipple-Shields.



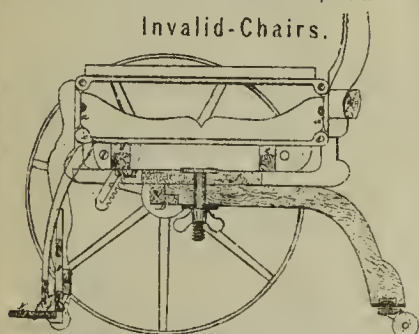
114,292. W. T. HAZARD.

Cribs or Cradles.



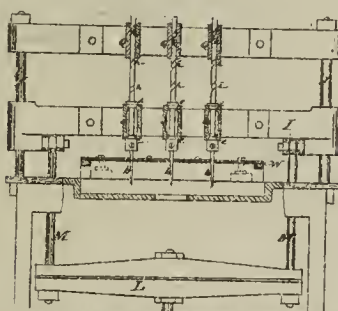
GEORGE T. FOWLER. 114,282.

Invalid-Chairs.



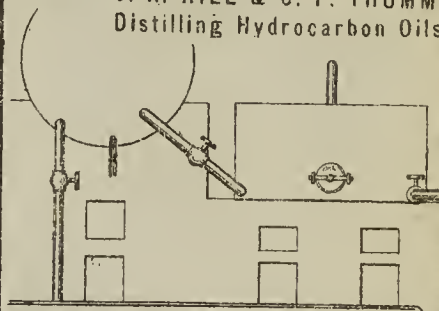
114,286. JOHN GLASS.

Book-Binding Machines.



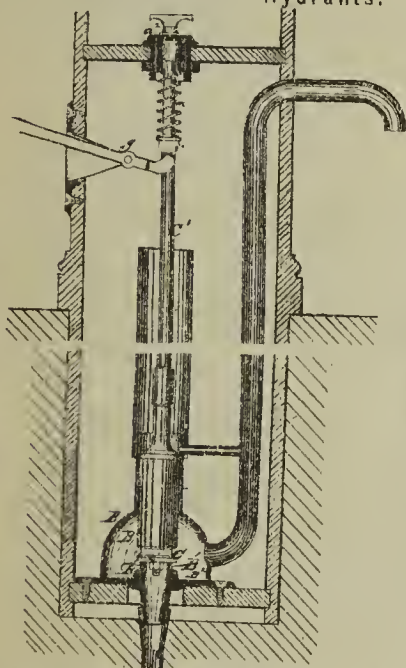
114,293. S. A. HILL & C. F. THUMM.

Distilling Hydrocarbon Oils



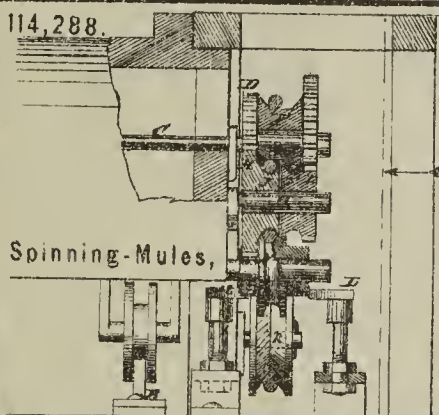
114,283. J. P. GALLAGHER.

Hydrants.

114,287. JOHN GREACEN, JR.,
MANUFACTURE OF RUBBER.

114,288.

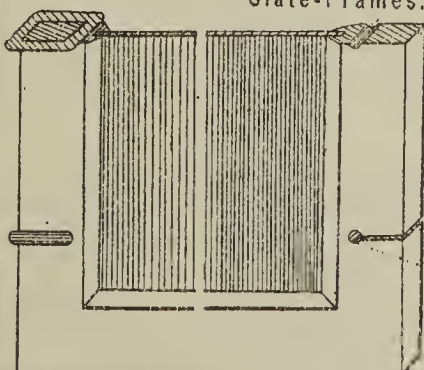
Spinning-Mules,



PETER WILLIAM GREENWOOD.

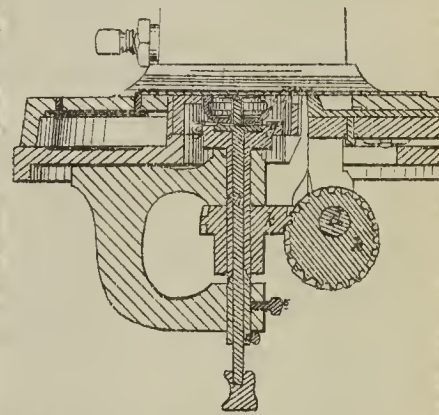
114,289. W. W. HAMILTON.

Slate-Frames.



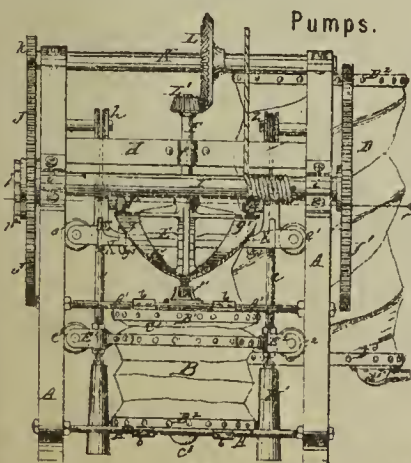
114,294 J. A. HOUSE & H. A. HOUSE.

Sewing-Machines.



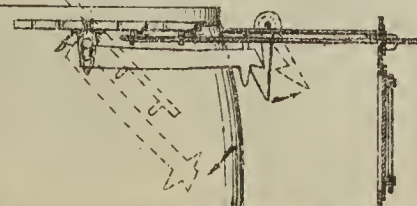
114,284. J. P. GALLAGHER.

Pumps.

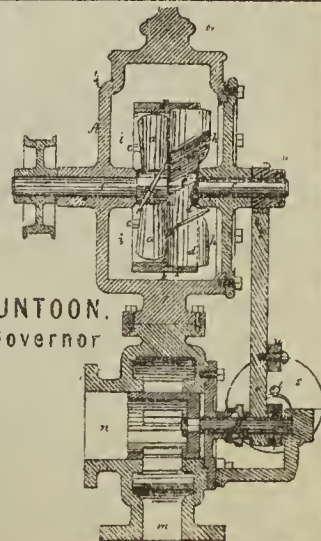


114,290. HARVEY & FOOTE.

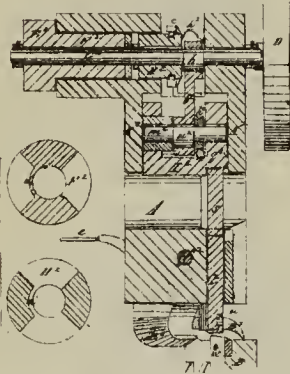
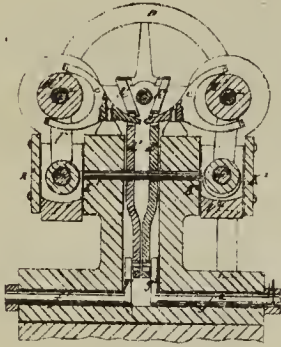
Stove-Grates.



114,296.

R. K. HUNTOON.
Engine-Governor

114,297 *Ivens & Brooke.*
Punching Metals.



114,298. JAMES IVES.

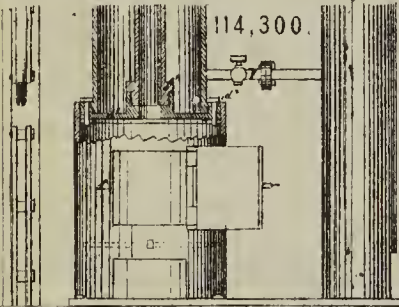


Lubricating Axles.

114,299. JAY AND RAFFET
CAST-STEEL.

ASA JOHNSON. Steam-Engines.

114,300.



114,301

M. L. KFEEN

Manufacture of Paper-Pulp.



114,302

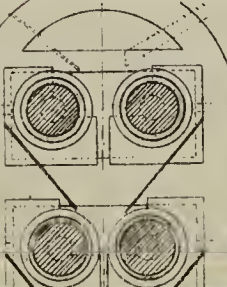
H. KELLEY & W. H. LOCKE.
Lamp-Collars.



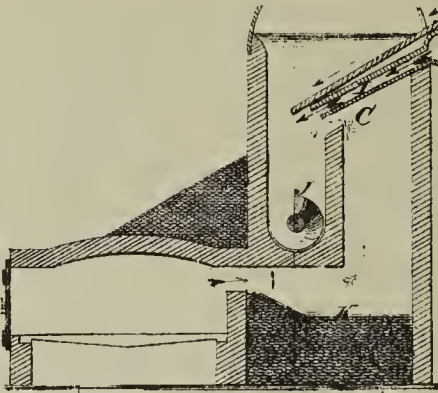
F. J. KIMBALL

Crushing and
Grinding

114,303

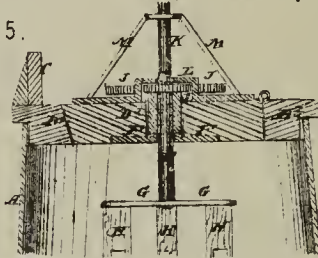


114,304. F. J. KIMBALL.
Apparatus for Drying Phosphates



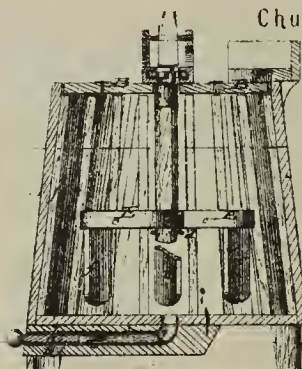
JAMES M. KIMBALL.
Washing-Machines.

114,305.



114,306. JOHN J. KIMBALL.

Churns

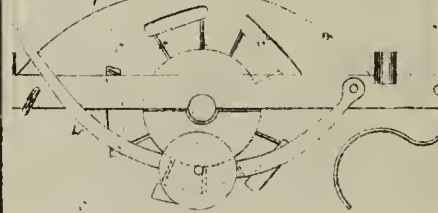


114,307. J. H. KNOWLES.
Weft-Forks for Looms.

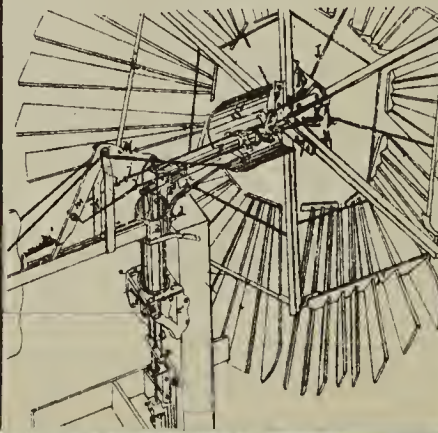


M. K. LEWIS & J. MUNGER.

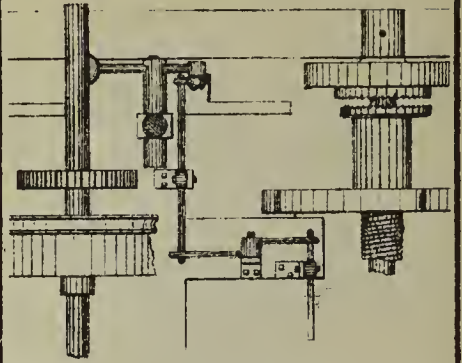
114,308. Stalk-Cutters.



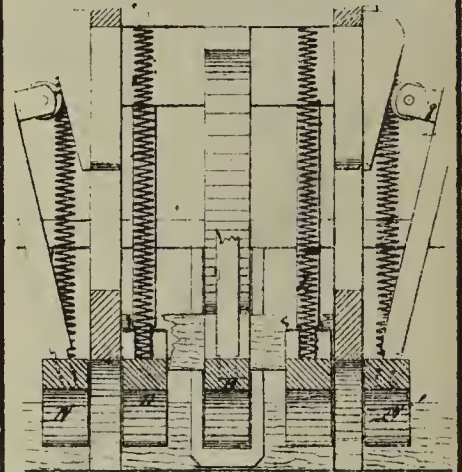
114,309. MABIE & LITTLE.
Windmills.



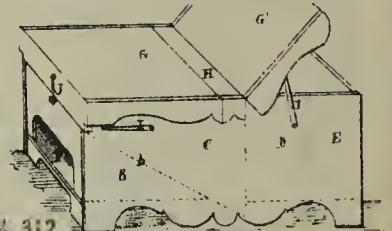
114,310. H. MACON.
Belt-Shipping Devices



114,311. J. R. MAITLAND.
Machines for Cutting and Bending
Sheet Metal.



JOHN MALLIN Coal and Wood Boxes



114,312

114,313 M. H. MANSFIELD.
Thrashing-Machine

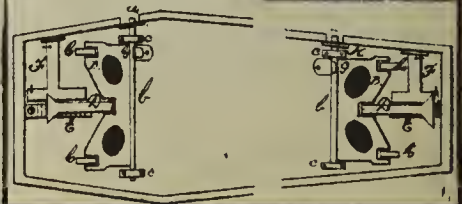


CHARLES MANSON.
Bit-Stocks.

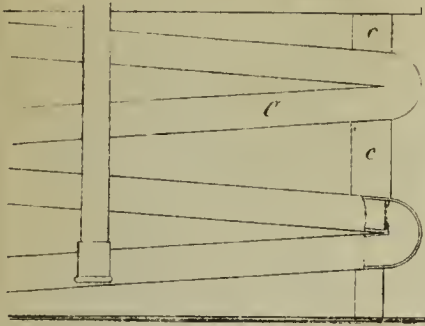
114,314.



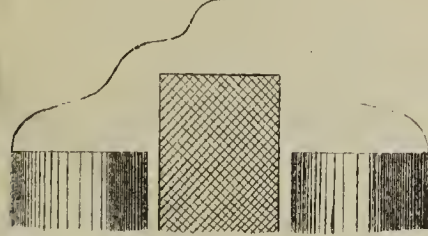
114,315.
M. R. MARGERUM.
Corpse-Preservers



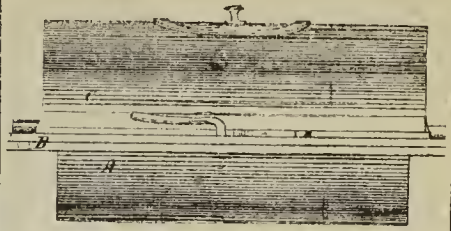
114,316. LOUIS MARKS.
Carbureters for Air and Gas.



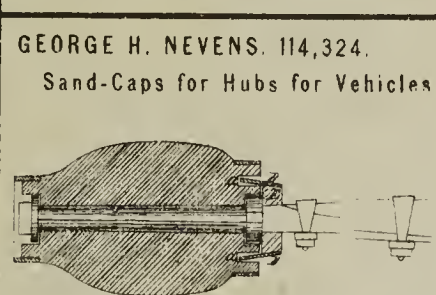
114,323 JOSEPH MUSGROVE.
Sheet-Metal Match-Safes.



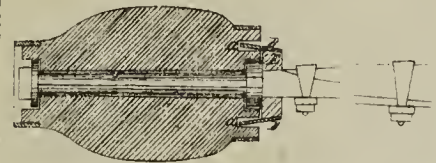
114,330. A. OBST. Coffee-Roasters.



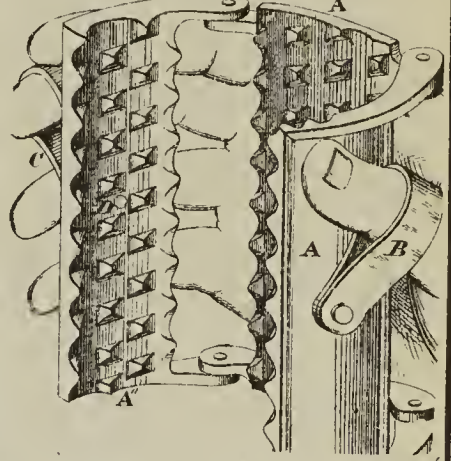
114,325. ELIAKIM P. NEWTON.
ROOFING COMPOSITIONS.



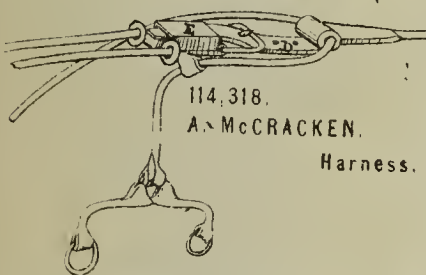
GEORGE H. NEVENS. 114,324.
Sand-Caps for Hubs for Vehicles



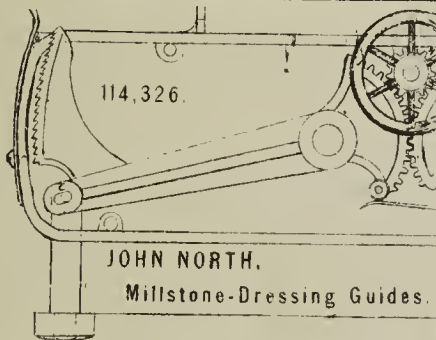
114,331 C. M. O'HARA.
Hand Corn-Shellers.



114,317
C. MATHER.
Lubricators.



114,318.
A. McCracken.
Harness.



JOHN NORTH.
Millstone-Dressing Guides.

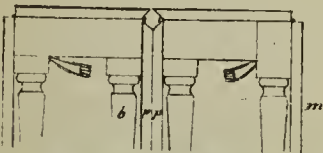
C. H. PALMER. 114,332.
Manufacture of Split-Needles



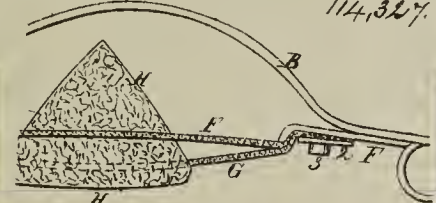
114,333.
I. E. PALMER.
Tackle-Blocks.



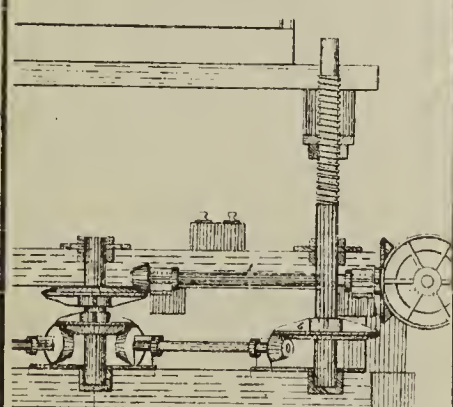
114,319. F. MENZER.
Extension-Tables



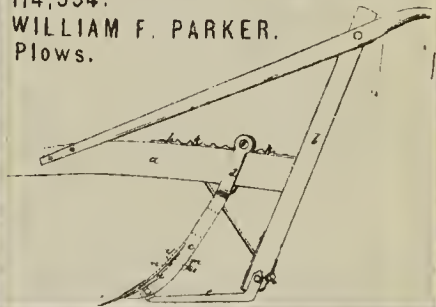
Northrop & Emmons.
Rolling Hat Bodies.
114,327.



114,328. G. T. Nutter.
Raising Cars & Trucks.

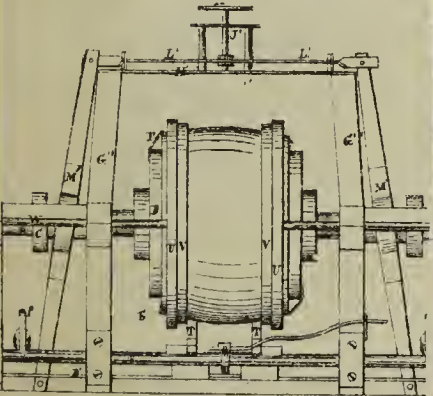


114,334.
WILLIAM F. PARKER.
Plows.

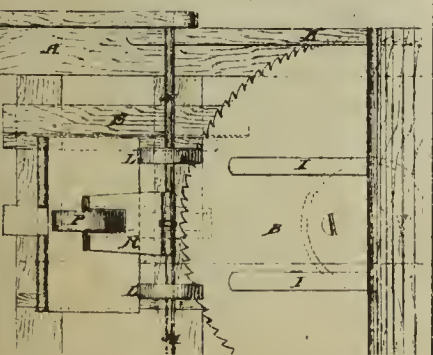


114,320 CANCELED.

W. R. MIDDLETON & E. MIDDLETON.
114,321. Barrel-Machines.



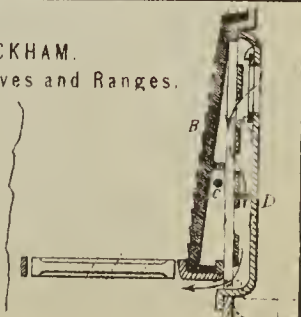
114,322. U. D. MIHILLS.
Shingle-Machines.



114,329.
R. NUTTING.
Gas or Vapor
Burners.



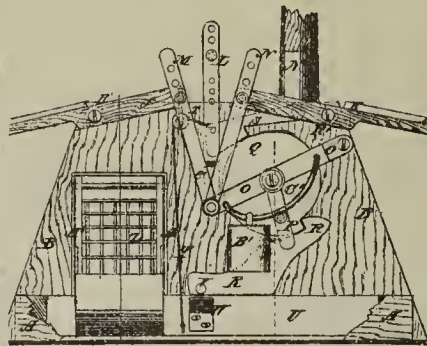
114,336.
JOHN S. PECKHAM.
Cooking-Stoves and Ranges.



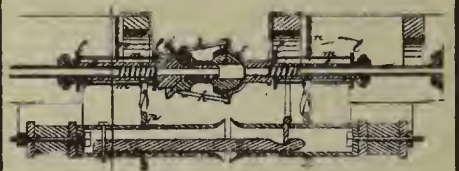
114,337.
EDWARD L. PERRY.
Rubber Play-Pipes
for Hose.



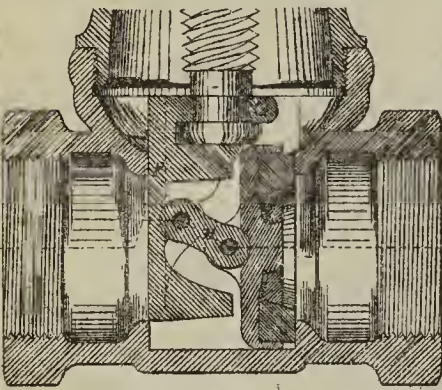
114,343. JAMES H. RICHARDSON.
Animal and Game Traps.



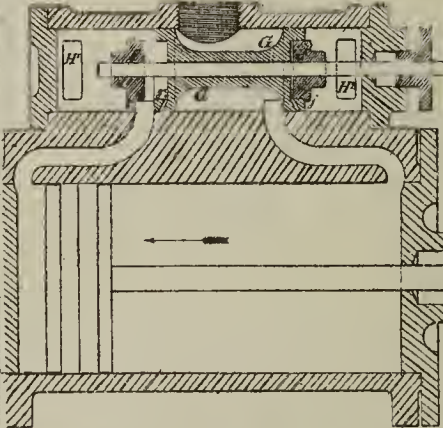
114,349. HENRY R. ROBBINS.
Railroad-Car Heaters.



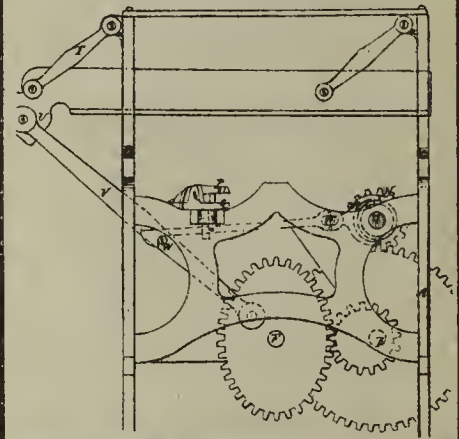
114,338. GEORGE PIERCE.
Stop-Cock Valves.



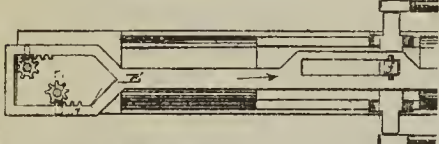
114,344. A. K. RIDER.
Slide-Valves.



114,350. THOMAS C. ROBINSON.
Paper-Cutting Machines.



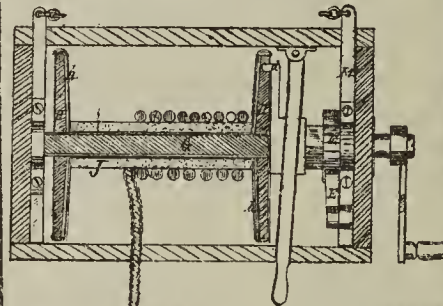
114,339. P. F. POWERS.
Hydraulic Apparatus.



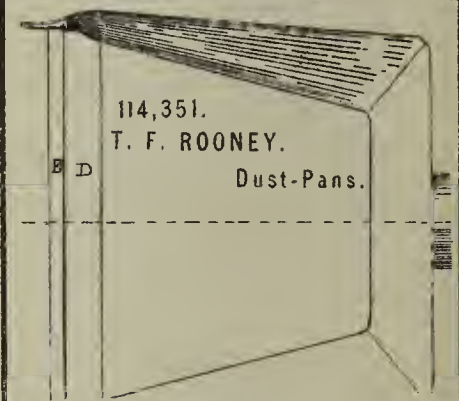
114,340. PRUSHA & WALES.
Boots and Shoes.



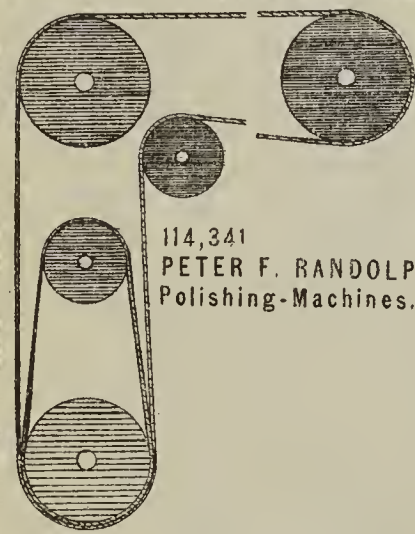
114,345. WILLIAM J. RIPLEY.
Clothes-Line Protectors and Stretchers.



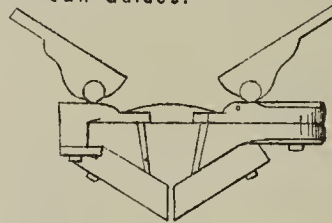
114,351.
T. F. ROONEY.
Dust-Pans.



114,341
PETER F. RANDOLPH.
Polishing-Machines.

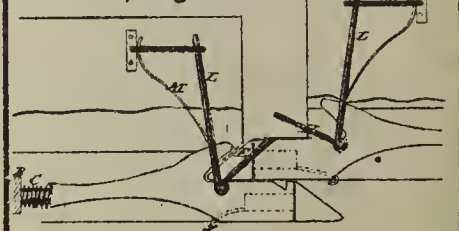


114,346. A. RITTENHOUSE.
Saw-Guides.

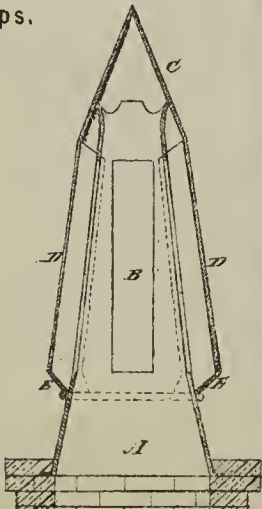


114,352. SMOKING-TOBACCO.
ALBERT S. ROSENBAUM.

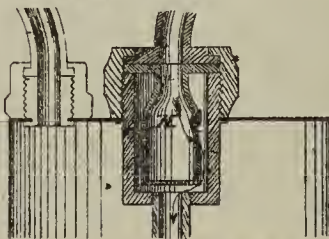
114,353. SAMUEL S. SARTWELL.
Car-Couplings.



114,342. WILLIAM RICHARDS.
Chimney-Tops.



114,347. A. R. ROBB.
Water-Boilers.



114,354. HENRY A. SAWYER AND
RANSOM G. SAWYER,
LEATHER-POLISH.

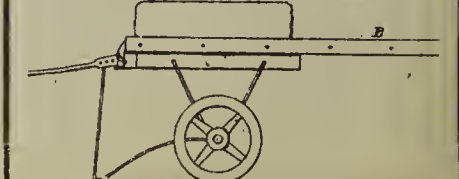
114,355. CHARLES S. SCHENCK.
Bird-Cage Mats.



114,348. E. H. ROBBINS.
Pipe-Wrenches.

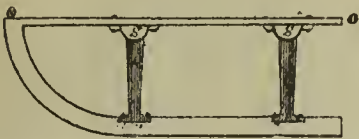


114,356. EDWARD G. SCOVIL.
Charging Iron-Furnaces.



114,357 C. SHAW.

Sled-Knees.



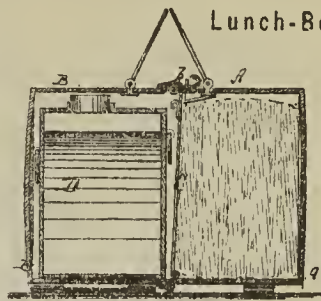
CHARLES B. SREEVES.

114,363.

Bridges.

114,370. D. TROXELL.

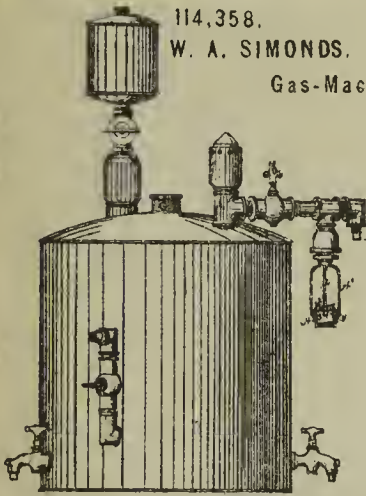
Lunch-Boxes.



114,358.

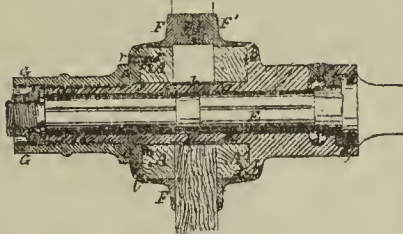
W. A. SIMONDS.

Gas-Machines.



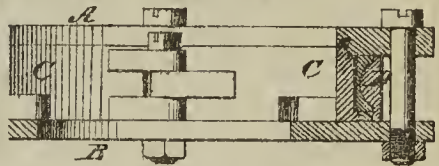
114,364. HENRY W. STOW.

Carriage-Hubs.



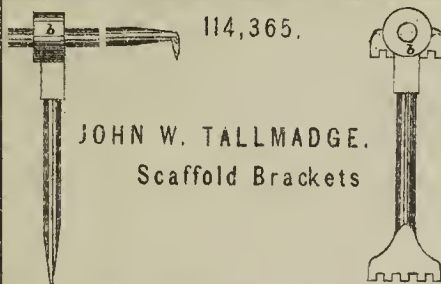
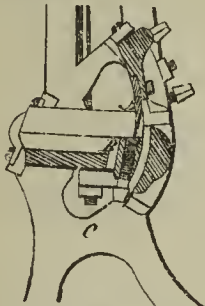
114,371. S. W. TYLER.

Making Cushioned Belting



114,359. WILLIAM SISSON.

Machines for Cutting Staves.



114,365.

JOHN W. TALLMADGE.

Scaffold Brackets

114,372. A. WADSWORTH.

Pallets of Watches.



114,373. ENOCH WAITE.

FABRICS FROM WASTE LEATHER.

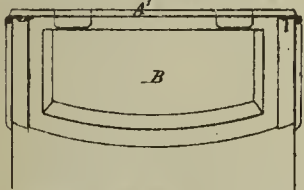
114,374. DANIEL B. WESSON.

Locks for Double-Barreled Fire-Arms.

114,375. WALTER WHEELLOCK.
MERCURIAL SALVES.

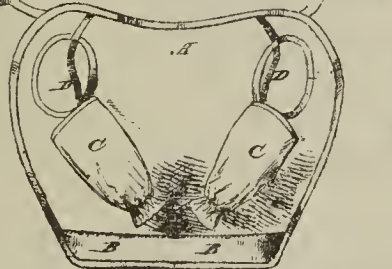
114,360. W. H. SMITH.

Grocers' Canisters.



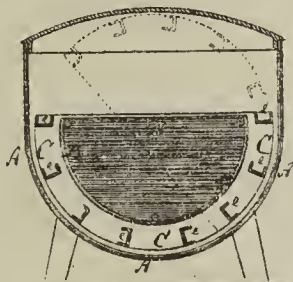
ADALINE L. THOMSON.

114,366. Childrens' Bibs.



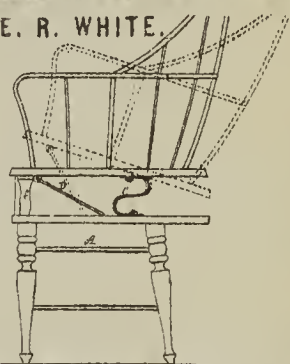
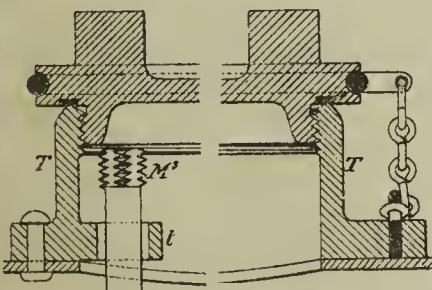
114,367. HENRY B. TODD.

Dish-Washers.

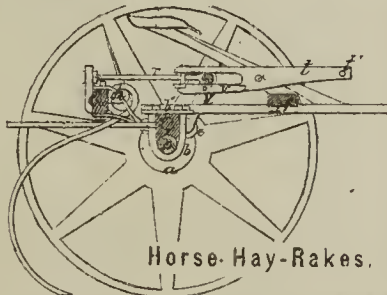


114,376. E. R. WHITE.

Tilting-Chairs.

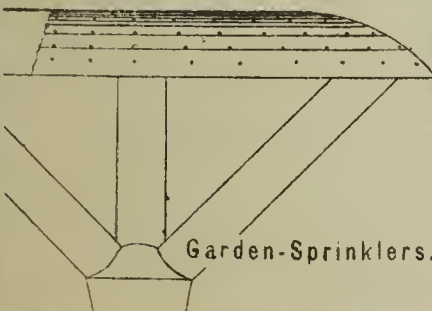
114,361. SNYDER & SNYDER.
in Oil-Tanks.

114,368. R. M. TREAT.

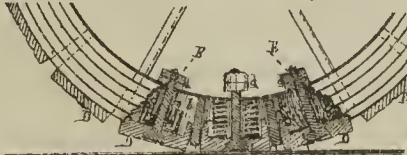


Horse Hay-Rakes.

114,362. JOHN I. SPEAR.

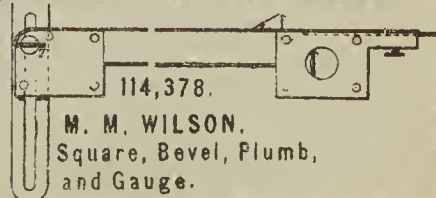
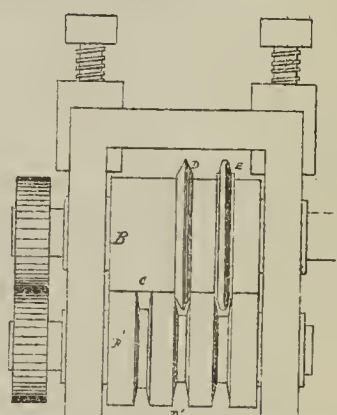


Garden-Sprinklers.

114,369. C. W. TREMAIN.
Wheels for Traction-Engines.

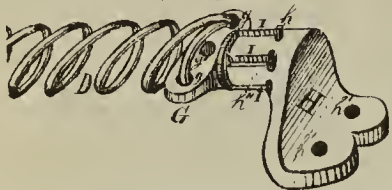
114,377. EDWIN WIGHT.

Rolling Umbrella-Connections.



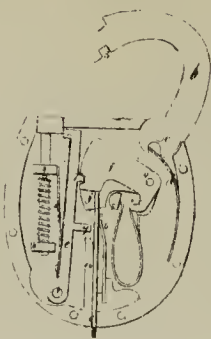
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M. M. WILSON.
Square, Bevel, Plumb,
and Gauge.

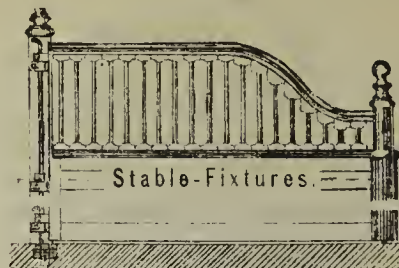
114,379 L. R. WITHERELL
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114,386. AKINS & ABELL

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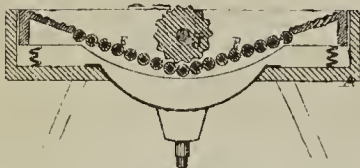
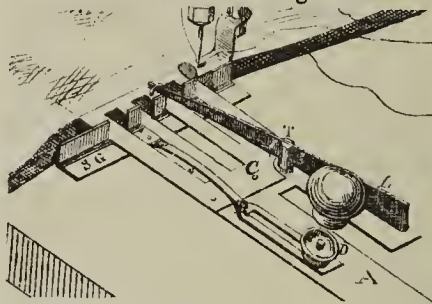
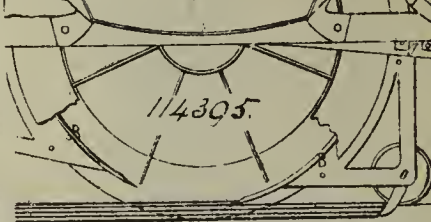
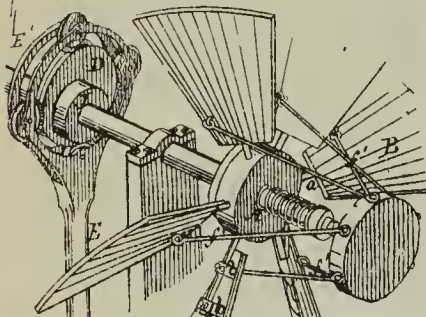
114,392. S. S. BENT.



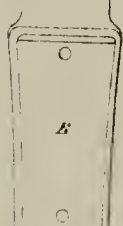
Stable-Fixtures.

114,380. J. A. WOOD.

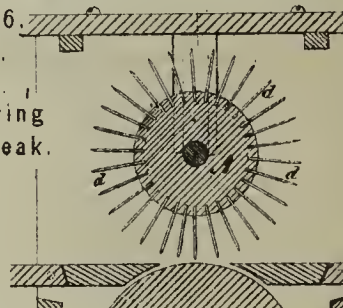
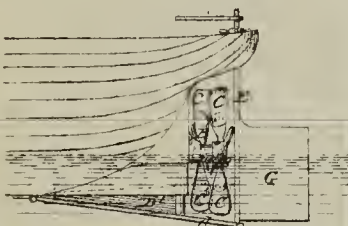
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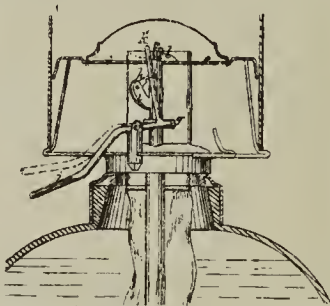
114,388. JOLINE.

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Kitchen-Knives.

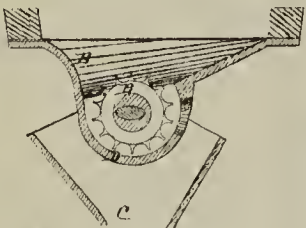
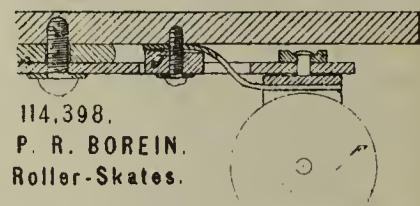
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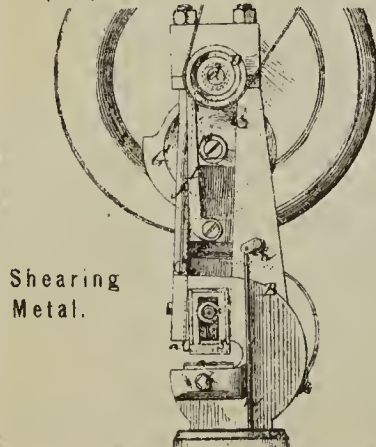
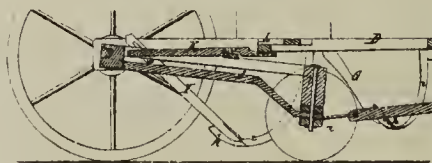
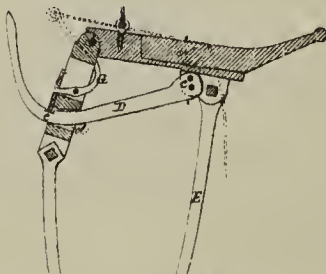
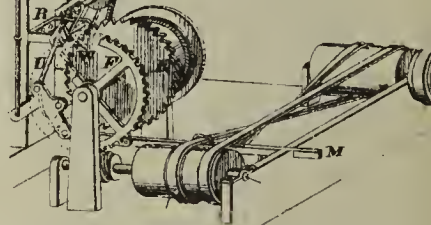
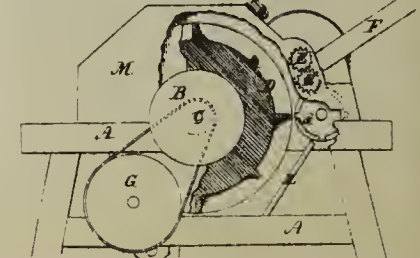
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W. W. BATCHELDER.
Self-Lighting Lamps.

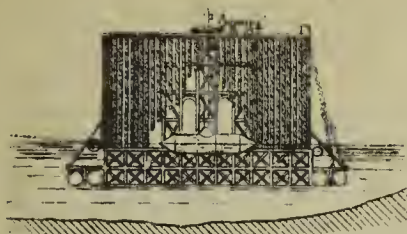
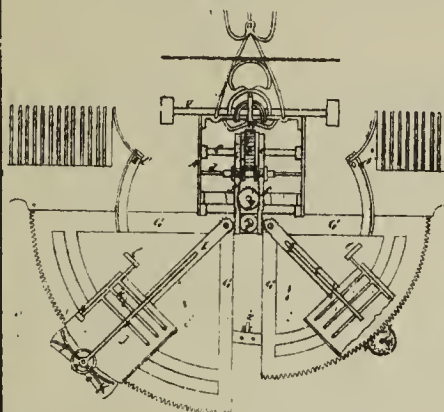
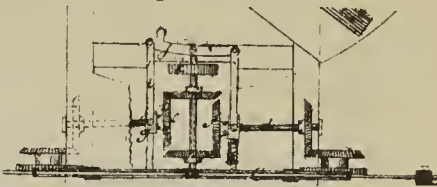
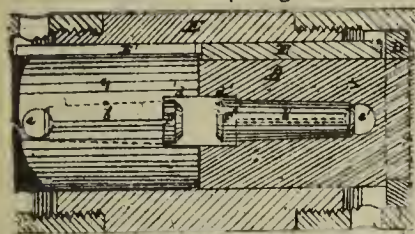
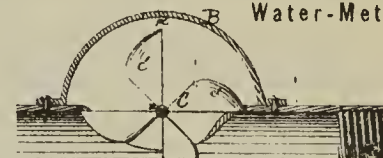
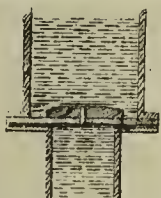
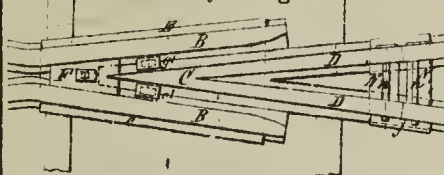
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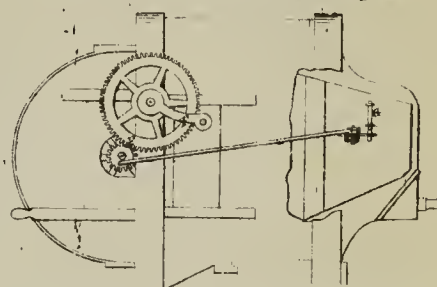
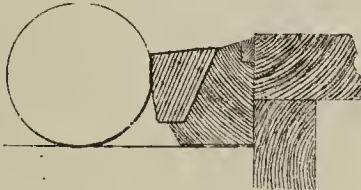
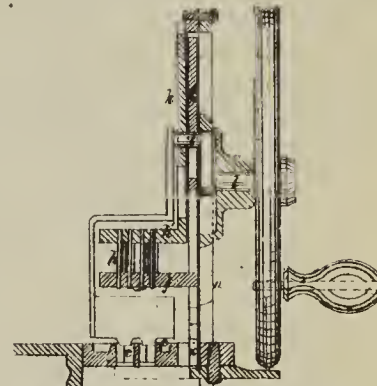
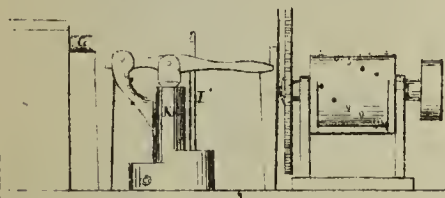
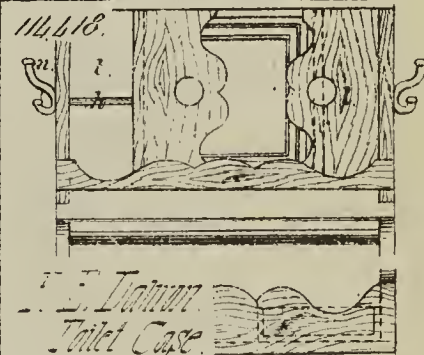
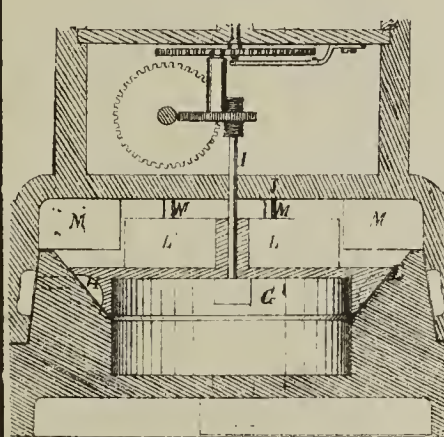
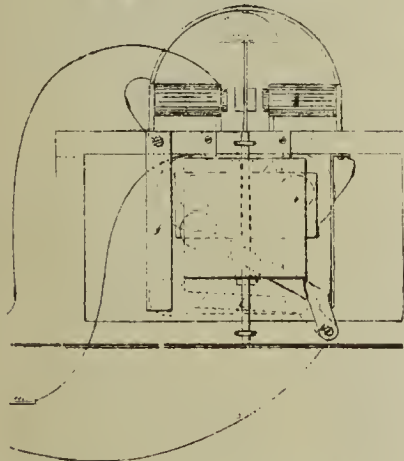
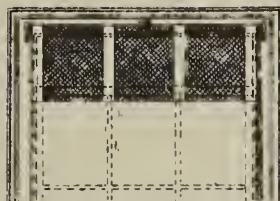
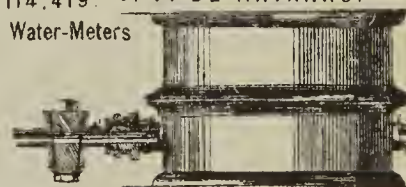
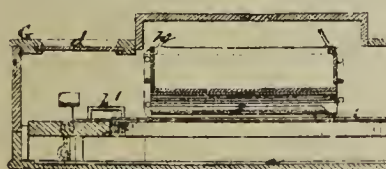
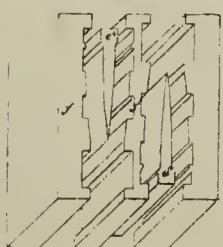
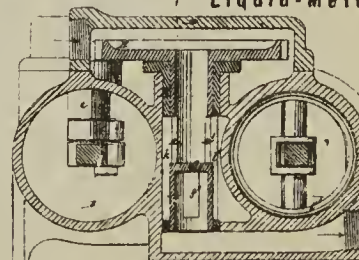
114,385. WILLIAM J. ADAMS.

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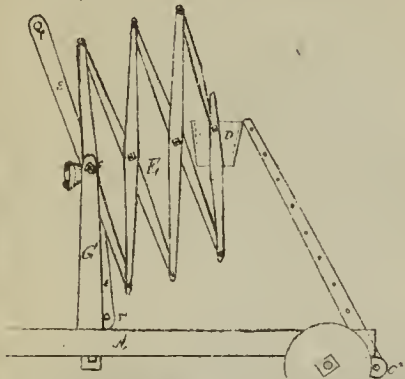
114,401 T. C. BOUTET, Bridges.

114,408. *G. H. Clark,*
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A. P. BROWN.
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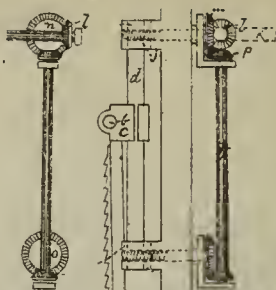
114,416. L. M. CROSBY, Fanning-Mills

114,404. J. BROWN, Jr.
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Billiard-Table Cushions.114,417. W. S. CURTISS, Jr.
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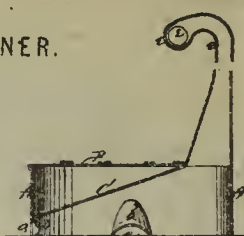
114,421. WILLIAM DE PEW.
Improvement in Fire-Escapes.



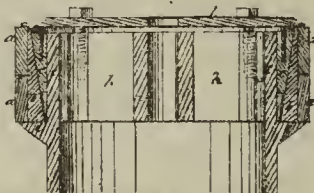
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M. J. EGERY.
Saw-Mills.



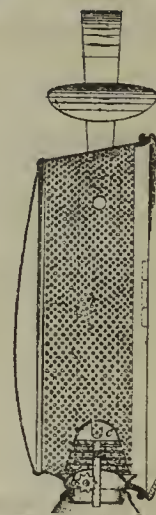
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JAMES H. GARNER.
Wash-Boilers.



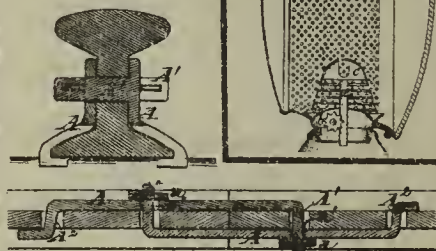
114,427 P. ESTES. Piston-Packing



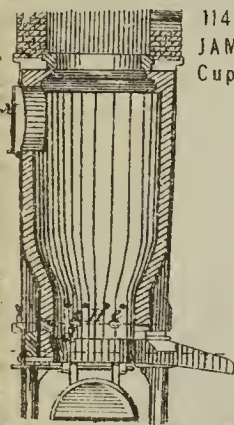
114,432.
N. GEAR.
Lanterns



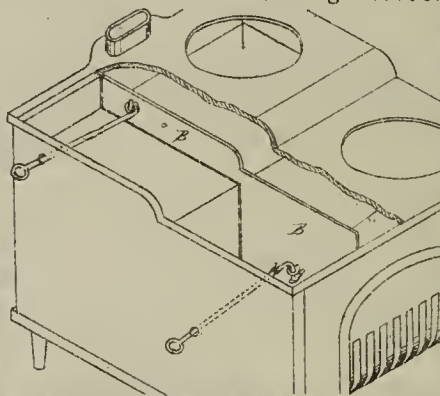
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WILLIAM F.
GRASSLER.
Rail-Joints.



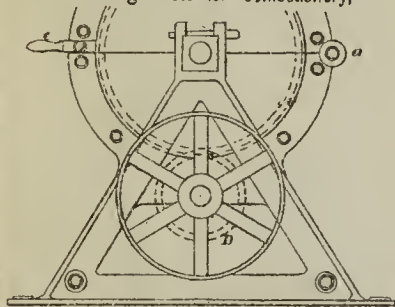
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JAMES DOUGHERTY.
Cupola-Furnaces.



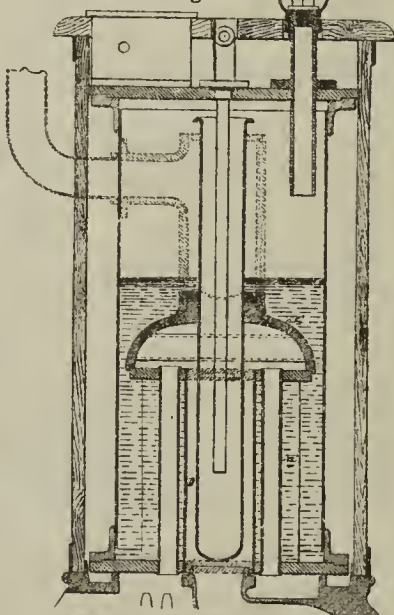
114,428. SELINA G. EWING.
Division-Plates for Cooking-Stoves.



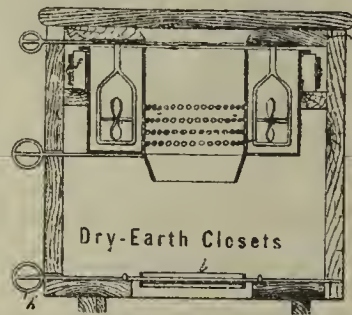
114,423. ROBERT DUFF.
Mixing Paste for Confectionery.



114,429. H. FONTAINE.
Steam-Engines.

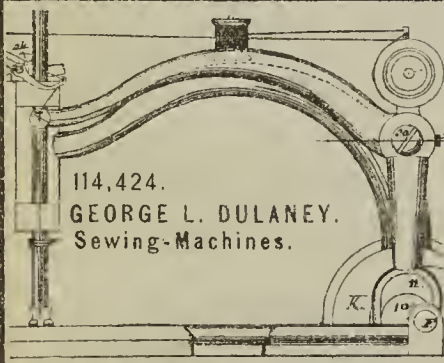


114,434. WILLIAM H. GROVE.

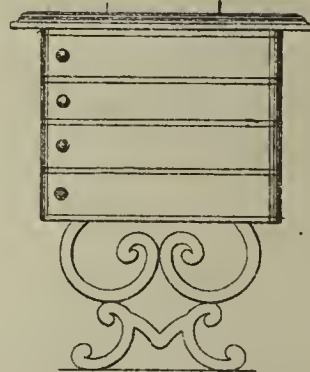


Dry-Earth Closets

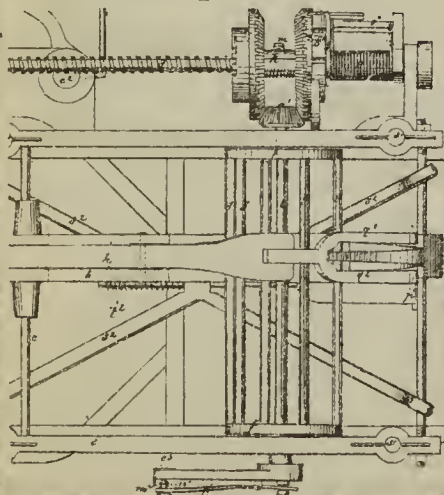
114,424.
GEORGE L. DULANEY.
Sewing-Machines.



114,435 W. H. GROVE.
Sewing-Machine Stands.

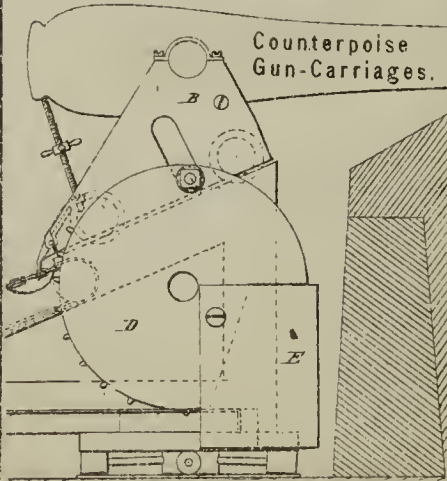


114,425. SAMUEL EAST
Dressing Millstones.



114,430. JOHN G. FOSTER.

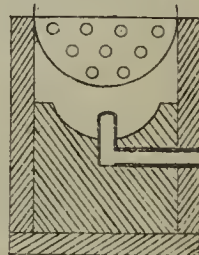
Counterpoise
Gun-Carriages.



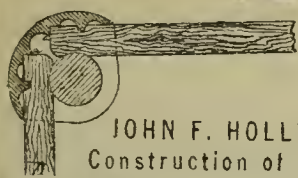
114,436.
J. C. HAM.
Sashes of
Carriage
-Doors



114,437.
CHARLES J. HARRIS
Return-Fine
Boiler-Furnaces.



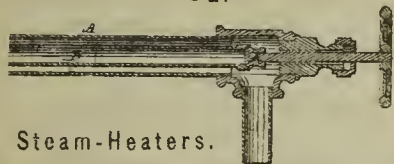
114,438.
C. HAVARD.
MANUFACTURE OF
CANDLES.



114,439.

JOHN F. HOLLISTER.
Construction of Bedsteads.

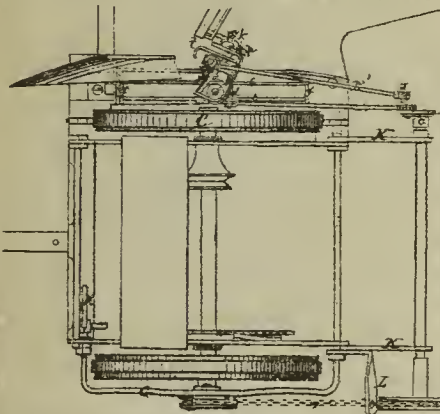
114,440. A. L. IDE.



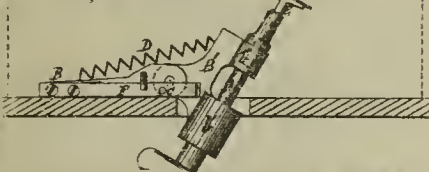
Steam-Heaters.

114,441. B. ILLINGWORTH.

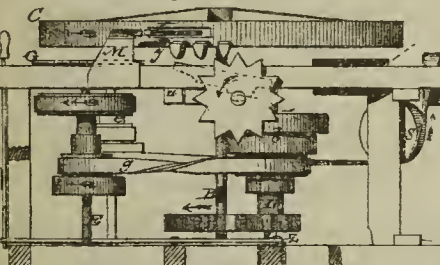
Harvester-Rakes



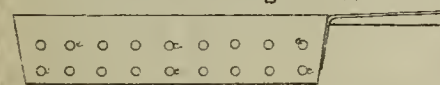
114,442. T. M. JENKS.
Bobbin-Winders for
Sewing-Machines.



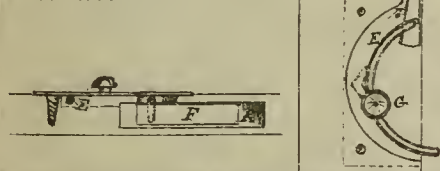
114,443. JOSEPH JIMO.
Shingle-Machines.



114,444 A. JONES.
Potato-Baking Pans.



114,445 GEORGE N. KENDALL.
Sash-Holders



114,446. T. KENNEY.

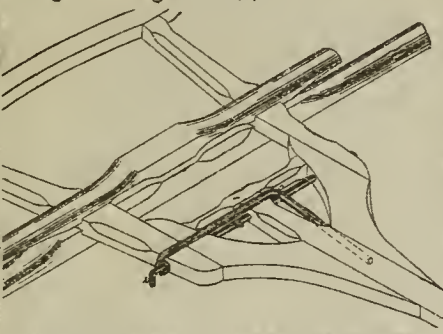
Awls.



114,447. SILAS P. KNIGHT.

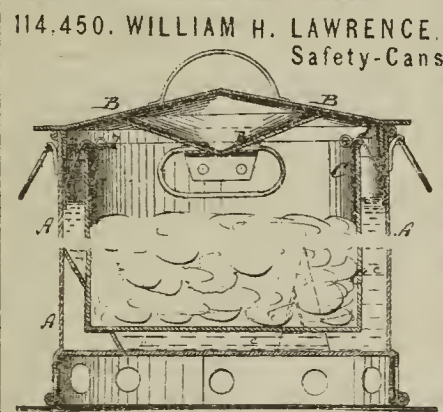
ELECTROTYPE-MOLDS.

114,448 JOHN KREHBIEL.
Wagon-Tongue Supports.

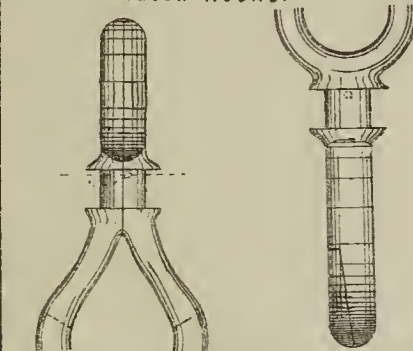


114,449. BALTHASAR KREISOHER.

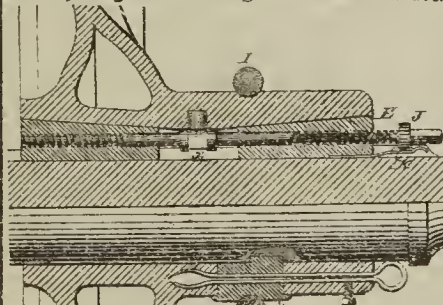
MANUFACTURE OF FIRE-BRICKS.



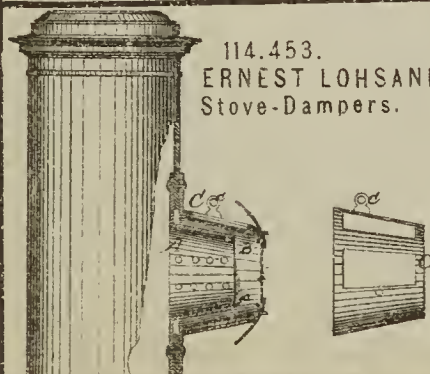
114,451. JOSEPH D. LEACH.
Match-Hooks.



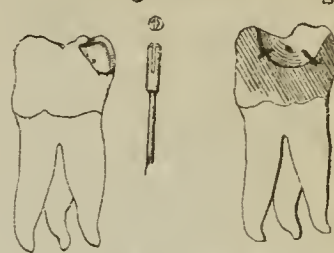
114,452. GEORGE G. LOBDELL
Adjusting and Securing Car-Wheels to Axles.



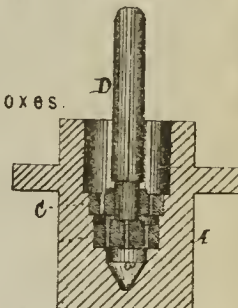
114,453.
ERNEST LOHSAND.
Stove-Dampers.



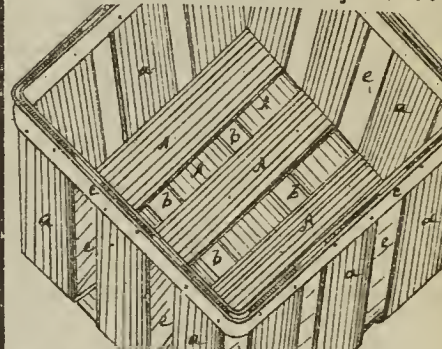
114,454. CHARLES H. MACK.
Securing Dental Fillings.



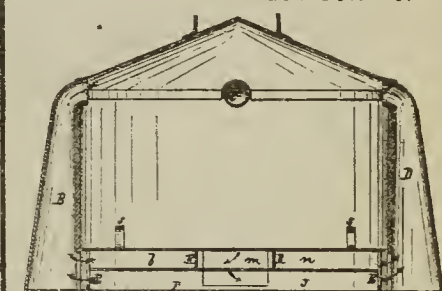
114,455.
LEWIS MAISH
Spindle-Step Boxes.



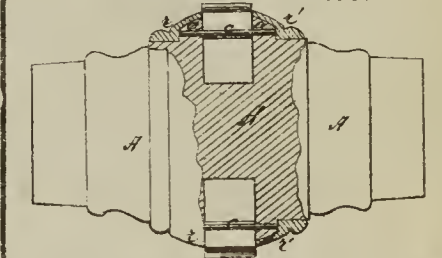
114,456. JOSHUA H. MARVIL.
Fruit and Berry-Boxes



114,457. DAVID McCLEARY.
Wash-Boilers.

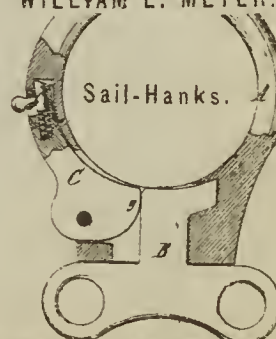


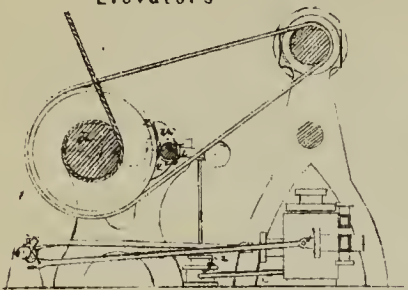
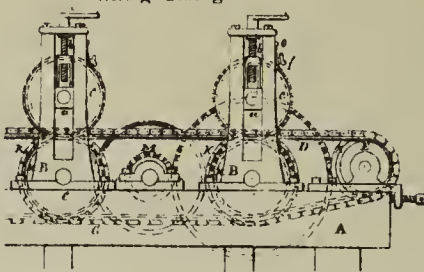
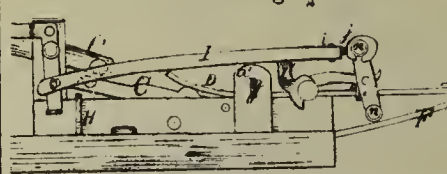
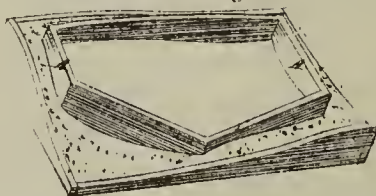
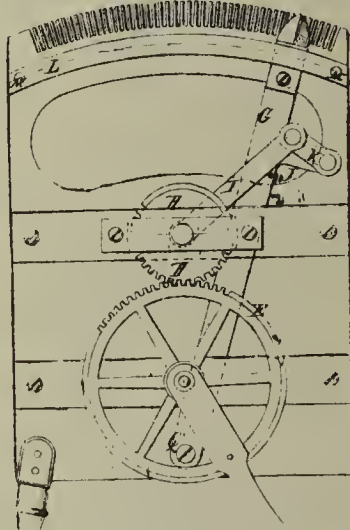
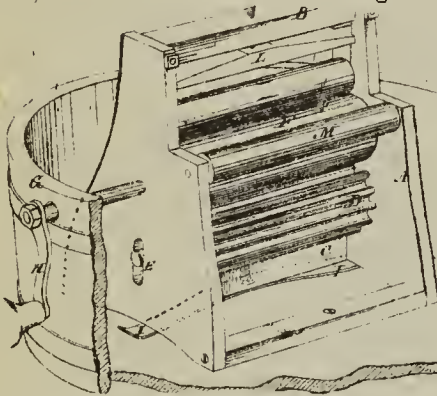
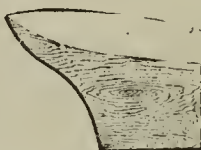
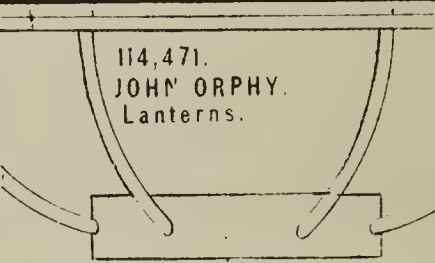
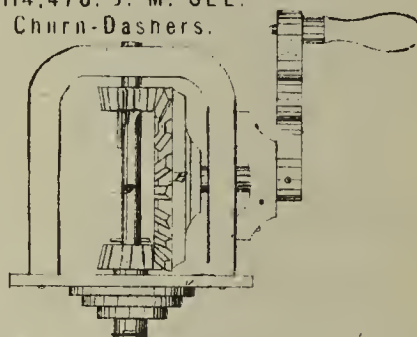
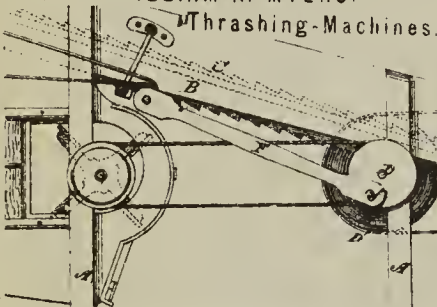
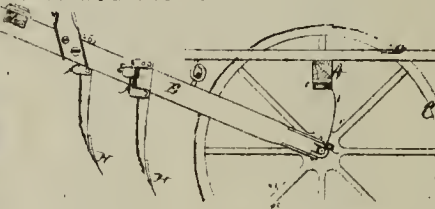
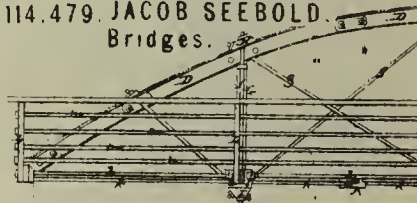
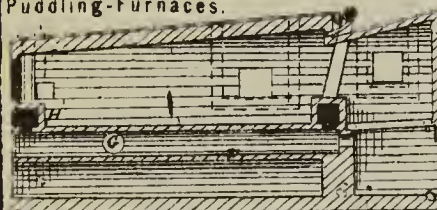
114,458 ROBERT W. McCLELLAND
Wheels for Vehicles.



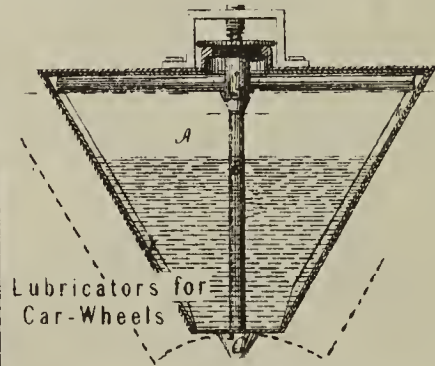
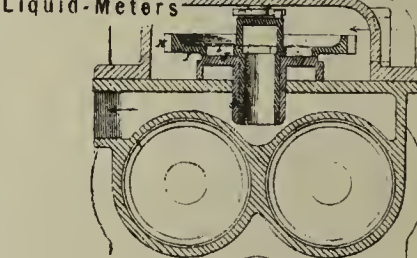
114,459. WILLIAM E. MEYER.

Sail-Hanks.

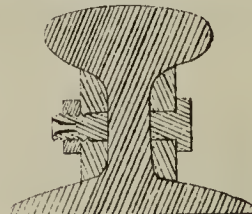
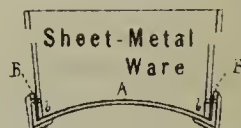
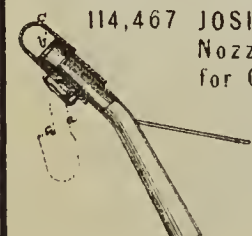


114,460. CHARLES E. MOORE.
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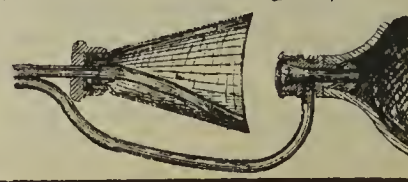
114,480. HENRY C. SERGEANT.
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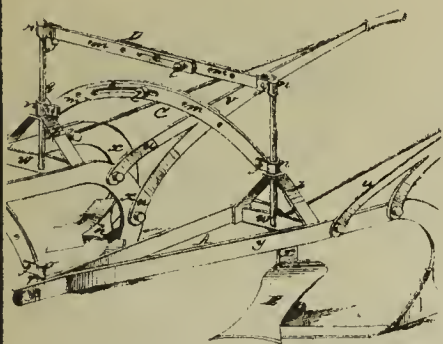
L. REBSTOCK.

114,475.

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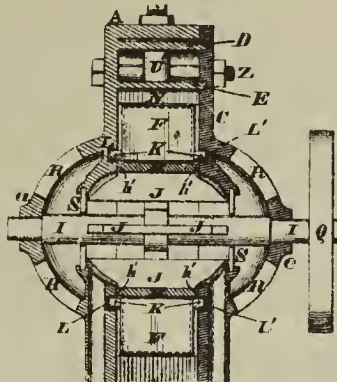
114,483 M. P. SIMPSON

Cultivators

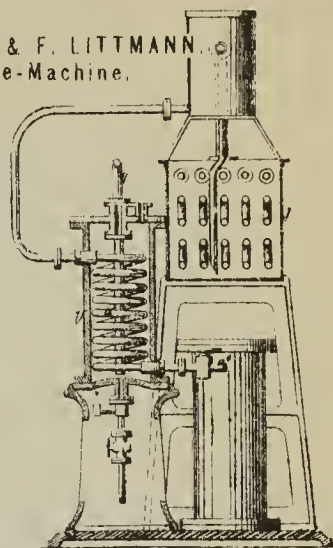


114,489 H. P. TENANT.

Blowers and Rotary Engines

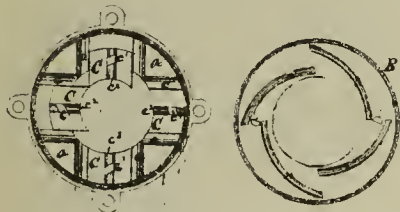


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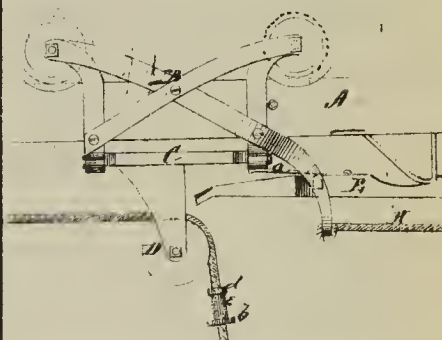
A. VAAS & F. LITTMANN.
Carre Ice-Machine.

114,484. HENRY G. SMITH.

Stove-Pipe Thimbles.



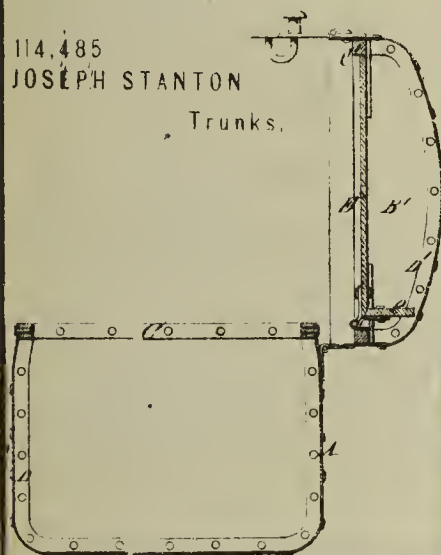
114,490.

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114,485

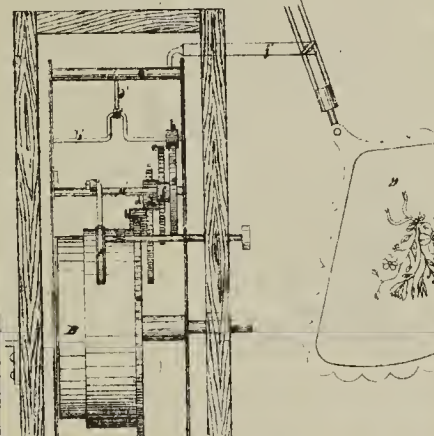
JOSEPH STANTON

Trunks.



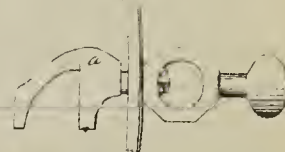
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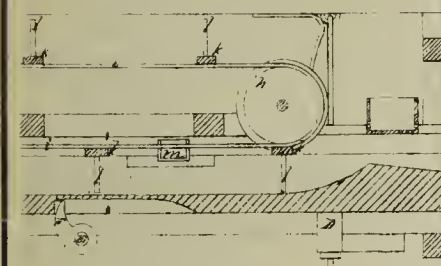
114,497. W. W. WADDELL

Draught-Regulators for Stoves.



114,486 WILLIAM C. STILES.

Ore-Concentrators.

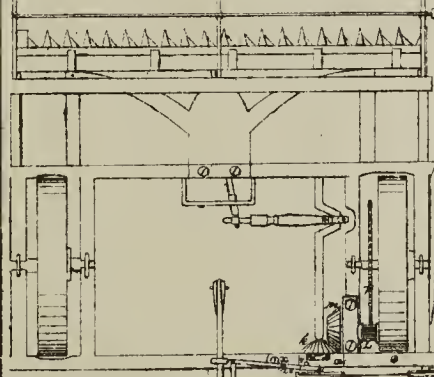


114,492. CHARLES L. TUCKER.

CLARIFYING COFFEE.

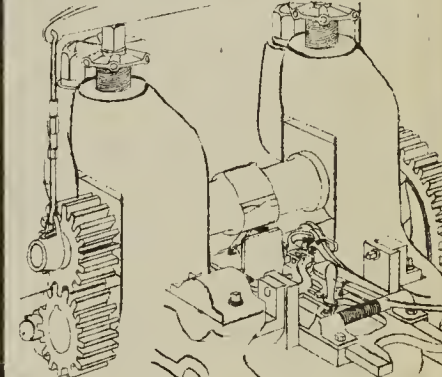
114,493. BENJAMIN G. TURNER

Harvesters.



114,498. H. WATERS

Machines for Rolling Hoe-Blanks.



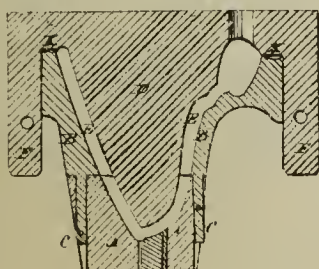
114,487. O. O. STORLE.

Snap-Hooks.

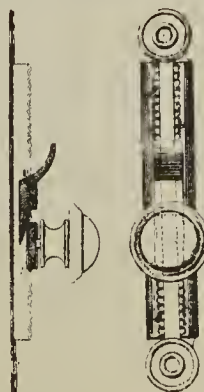
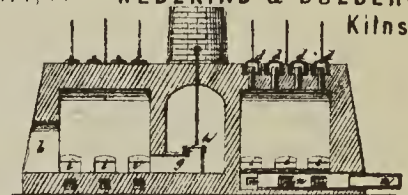


114,488. J. STRAUS.

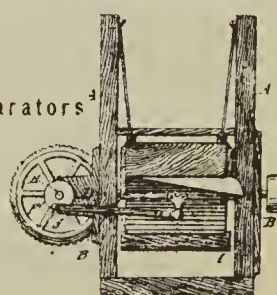
Molds for Saddle-Trees.



114,494.

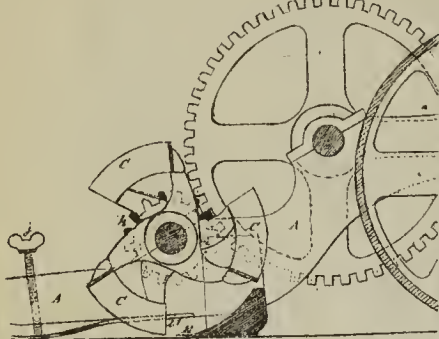
ELISHA
TURNER.
Curtain-
Fixtures.114,499. WEDEKIND & DUEBERG.
Kilns.

114,500.

HENRY L.
WHITMAN.
Grain-Separators

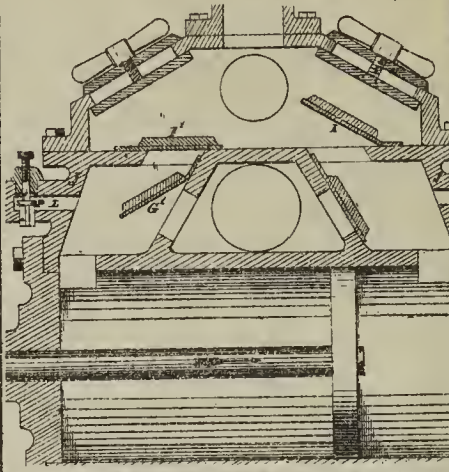
114,501. A. W. C. WILLIAMS.

Lawn-Mowers.



114,507. L. J. KNOWLES.

Steam-Pumps.



4,362. F. MYERS.

Sad and Fluting Irons.



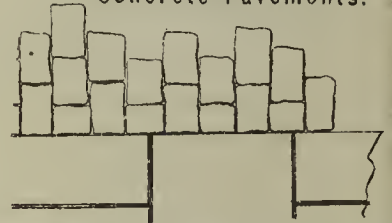
4,363.

ALFRED PARAF.

COLORS UPON CLOTH BY PRINTING.

4,364 JOHN J. SCHILLINGER.

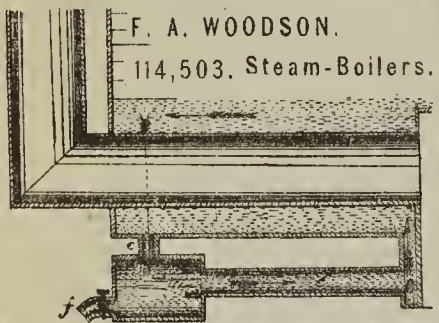
Concrete-Pavements.



114,502.

J. B. WOOD.

MANUFACTURE OF SODA-WATER.

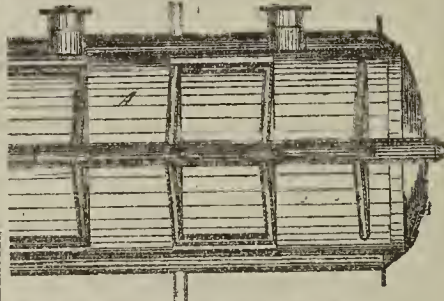


F. A. WOODSON.

114,503. Steam-Boilers.

114,508. H. A. HOGL.

Fertilizers.

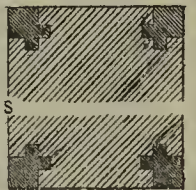


4,365.

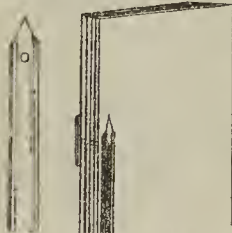
E. A. STRATTON &

C. M. STRATTON.

Metal Corner-Pieces

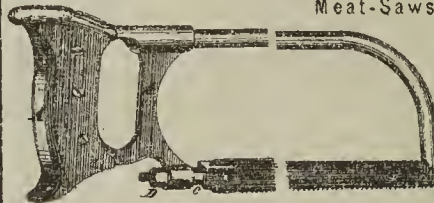


114,504.

S. W. YOUNG.
Paper-Files.

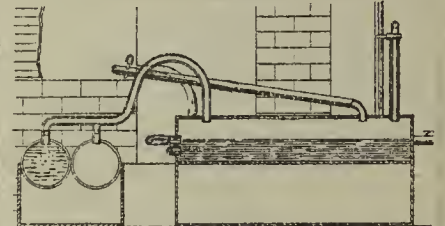
114,509. P. J. HOGAN & A. SOWDEN.

Meat-Saws.



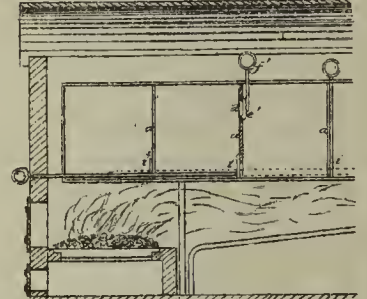
4,366. A. H. TAIT & J. W. AVIS.

Distilling Petroleum



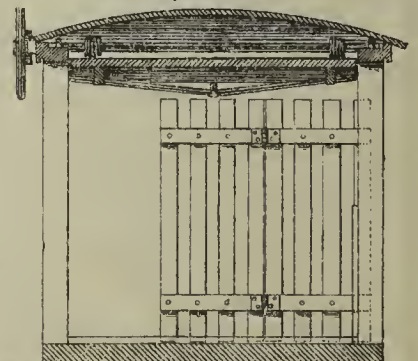
4,367. A. H. TAIT & J. W. AVIS.

Distilling Petroleum



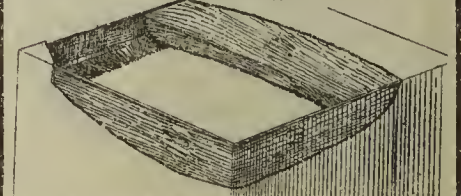
4,368. JOHN B. SHAFER.

Railway Cattle-Cars.



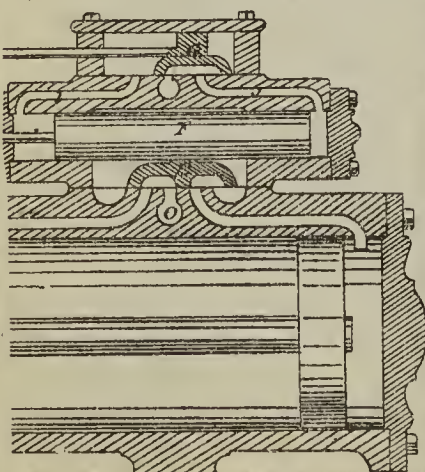
4,369. CHARLES L. TUCKER.

Packages for Lard.



L. J. KNOWLES.

114,506. Steam-Pumping Engines.



4,360. B. S. FOREMAN.

Preserving Wood Railroad-Ties.



4,361.

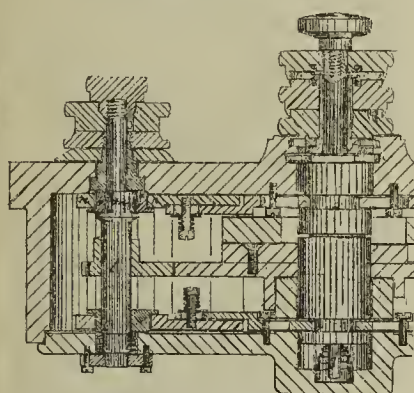
JOHN P. HAINES.

Oil-Cups.

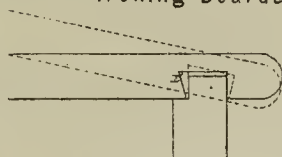


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MAY 9, 1871.

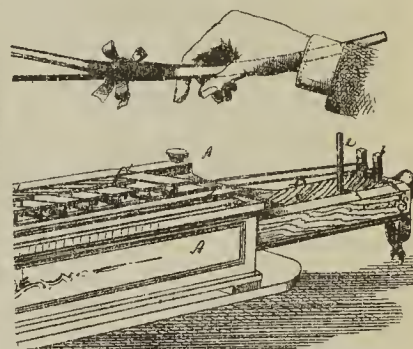
114,510 JAMES T. ADAMS.
Permutation-Locks.



114,515. A. G. BEEK.
Ironing-Boards.



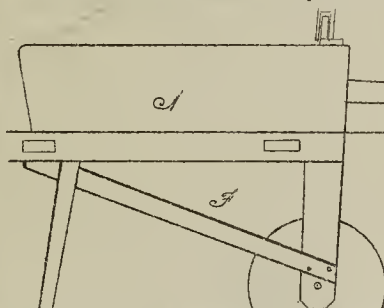
114,520 E. D. BLAKEMAN.
Piano-Violins.



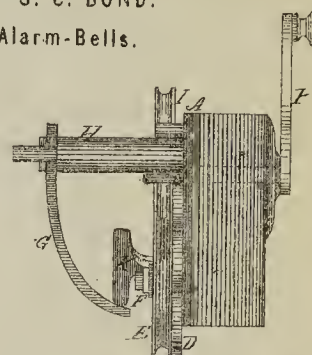
114,511. WILLIAM D. ALFORD.
Pipe-Couplings.



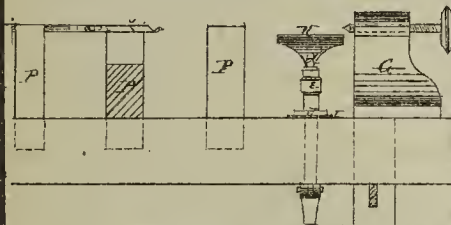
114,516. L. BEEMER.
Portable Butter-Trays.



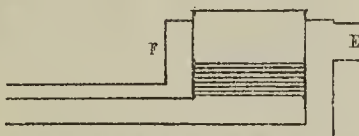
S. C. BOND.
114,521. Alarm-Bells.



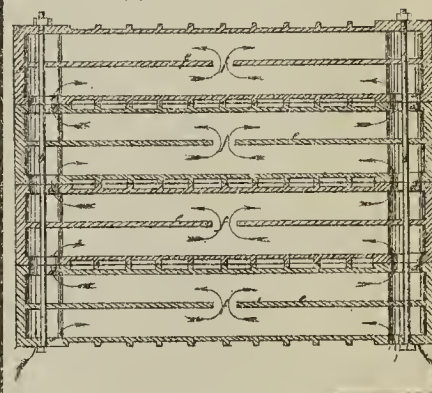
114,512 JOHN P. ALLEN. Lathes.



JOHN BELL. 114,517.
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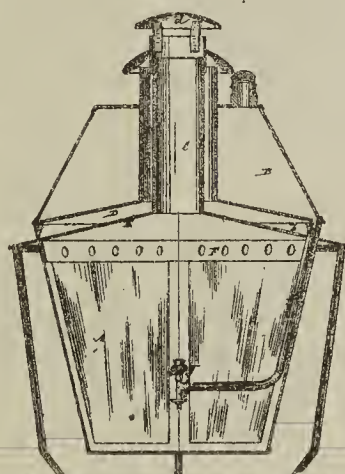
114,522. E. M. BOSLEY.
Steam-Radiators.



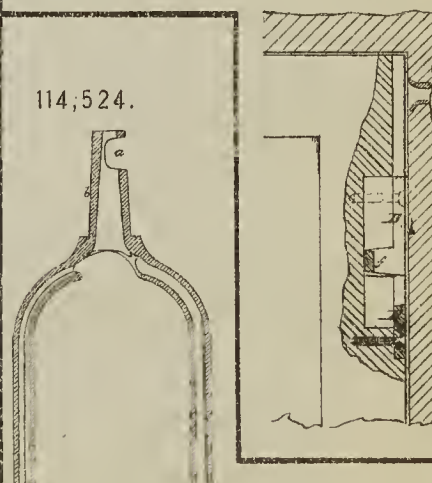
114,513. JOSEPH N. ARONSON.
Street-Lamps



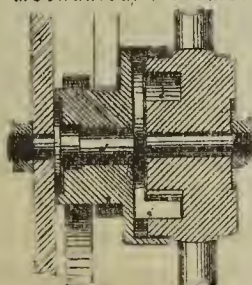
114,518. JOHN BENSON.
Street-Lamps.



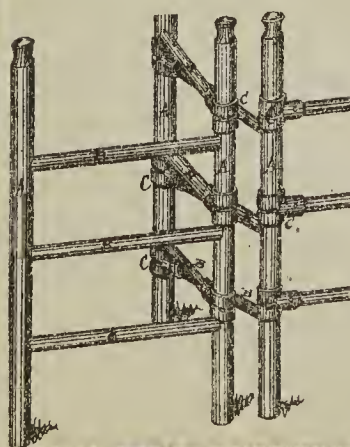
114,523 FREEMAN BRADY, Jr.
Attachments for Sash-Weights.



J. BARNES & W. F. BARNES.
114,514 Mechanical Movements.



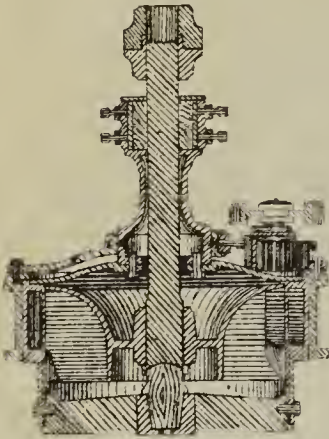
114,519. H. S. BLACK.
Clothes-Driers.



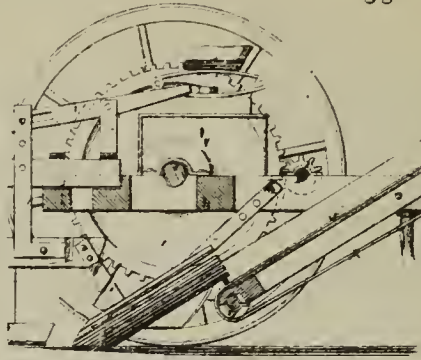
114,524.

JAMES S. BROWN.
Fliers-for Spinning.

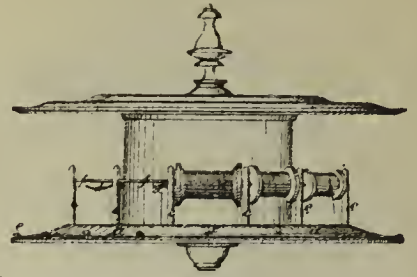
114.525 N F. BURNHAM
Water-Wheels



114.531 CLARK COONEY.
Potato-Diggers



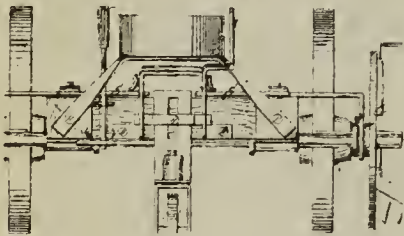
114.537. JOHN H DRUM.
Spool-Stand and Button-Boxes.



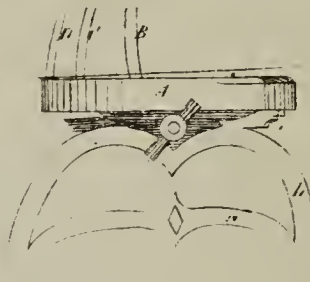
114.538 A. M. DYE.
Prolapsus-Ani Supporters.



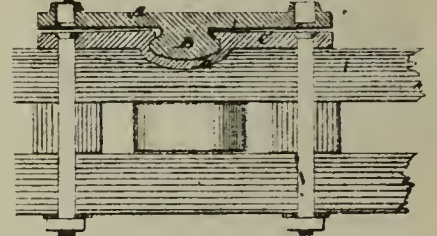
H BUTTENBERG & J L STRONG
114.526 Stalk-Pullers.



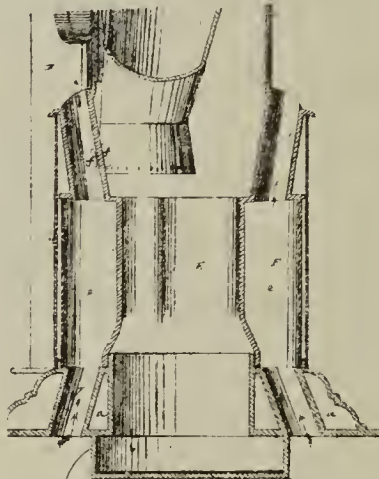
114.532. SAMUEL W COZZENS
Sewing-Machine Chairs



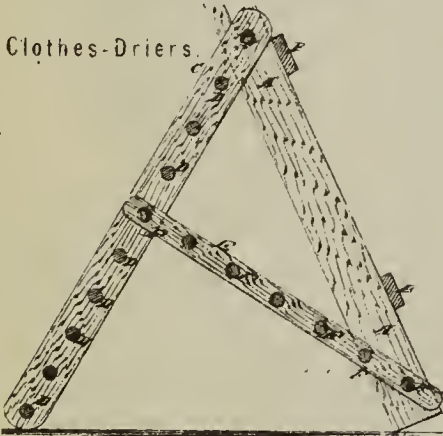
114,539 P. S. EASTMAN.
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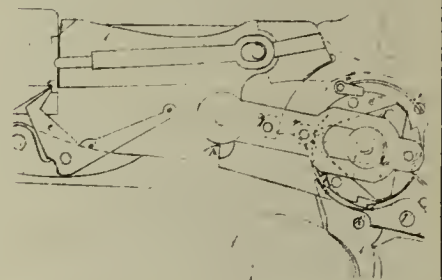
114 533. ROBERT DIVEN.
Base-Burning Stoves



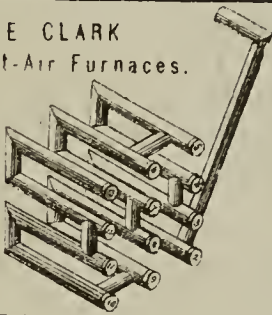
114.527 CHUBB & MARSTON
Clothes-Driers.



WILLIAM H ELLIOT
114,540 Breech-Loading Fire-Arms



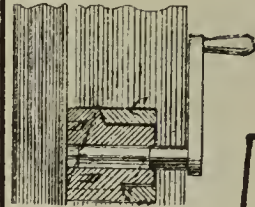
114.528 E CLARK
Hot-Air Furnaces.



114.534. CHARLES S. DOLE.
Grain-Drying Cars

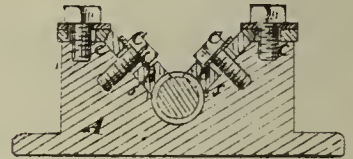


114,541. W. R. ELLIOTT.
Sash-Holders.

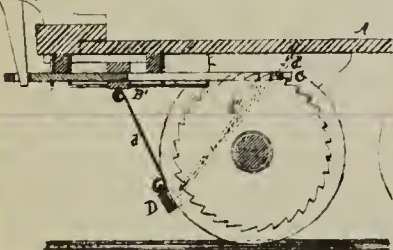


S. C. ELLIS
Journal-Boxes.

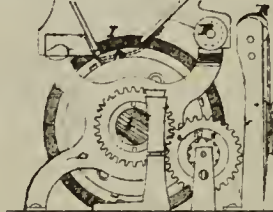
114,542.



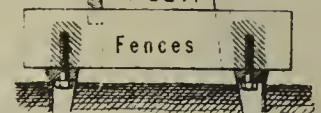
114.529. JOSEPH A. CODY.
Car-Brakes and Starters.



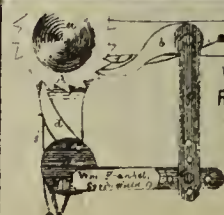
114,535 CHARLES E. DONNELLAN
Machines for Making Straw-Rope.



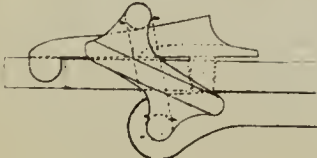
114,543. E. ELY.
Fences



114,544.
JOHN FAY.
MEDICAL COMPOUNDS.



114.530 A. H. COLE
Trace-Buckles.

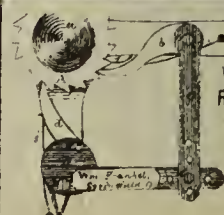


GEORGE DRAPER.
Spindle-Steps.

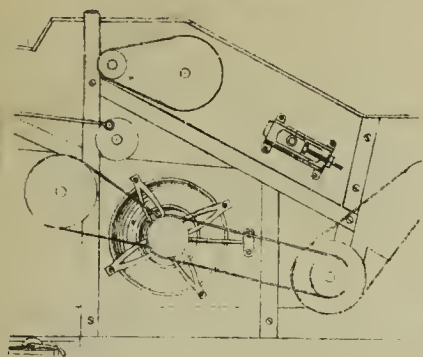


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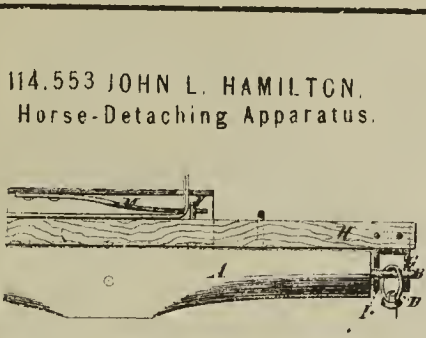
114,545
WILLIAM FRANKEL
Ratchet-Drills.



114,546. DANIEL GARVER.
Grain-Separators.

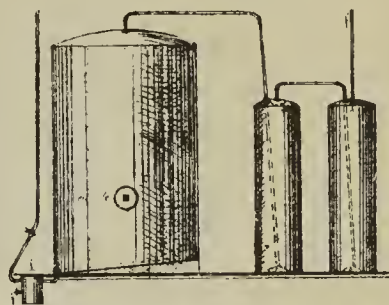


114,552.
SAMUEL GROSS.
FLAVORING WHISKY.

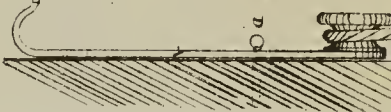


114,553 JOHN L. HAMILTON.
Horse-Detaching Apparatus.

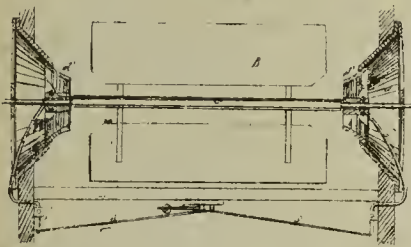
114,559. SAMUEL HEVNER.
Manufacture of Illuminating Gas



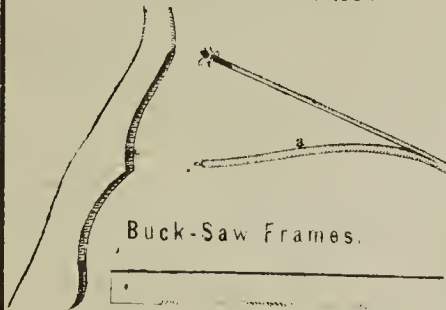
114,560 HENRY HOLCROFT.
Curtain-Cord Retainers.



114,547. DANIEL GARVER.
Fan-Blast Regulators.

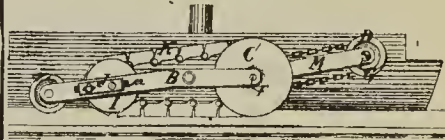


L. HANCOCK. 114,554

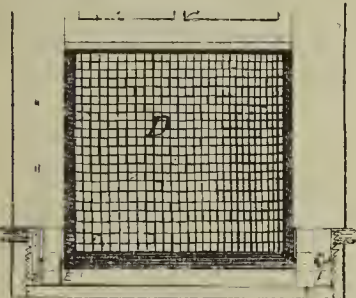


Buck-Saw Frames.

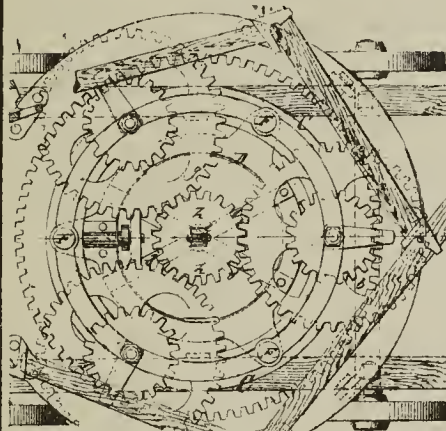
114,561. JULIUS L. HORNIG.
Propulsion of Canal-Boats.



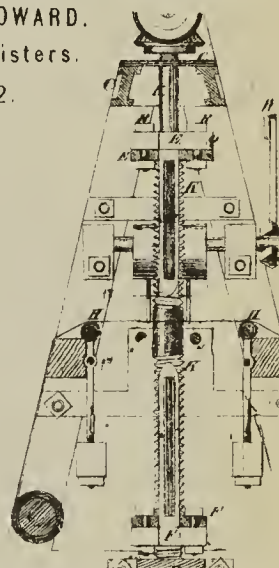
BENJAMIN GIROUX
114,548 Window-Screens



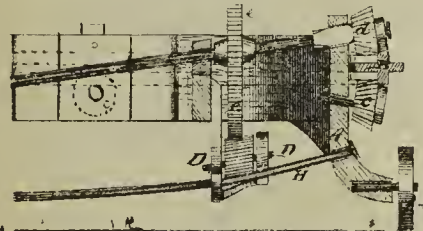
HARRISON & BUCHANAN
114,555 Horse-Powers.



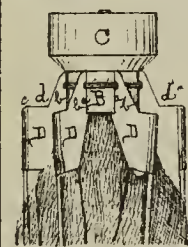
HILAND HOWARD.
Fringe-Twisters.
114,562.



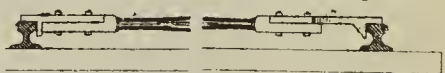
114,549 HOMER GLASS.
Horse-Powers.



R. F. S. HEATH.
Mosquito-Bars.
114,556.



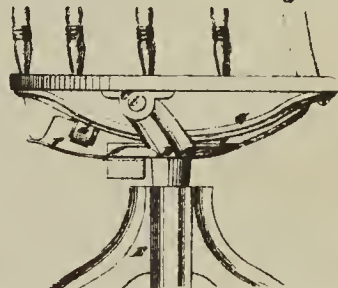
WILLIAM S. HUNTINGTON.
114,563. Railway-Track Gauges



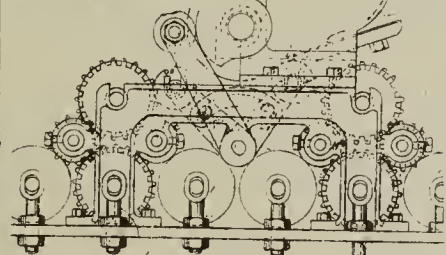
L. A. GOUCH.
Detachable Fluid-Reservoir for Street-Lamps.
114,550



P. C. INGERSOLL. 114,564.
Revolving and Rocking Chairs

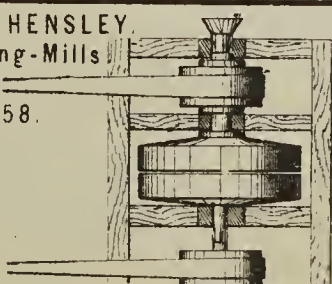


JOHN HENRY.
Printing-Presses. 114,557.

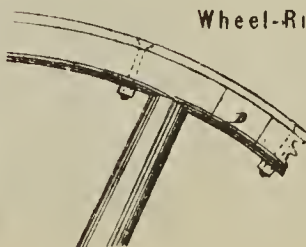


HENRY HENSLEY.
Grinding-Mills

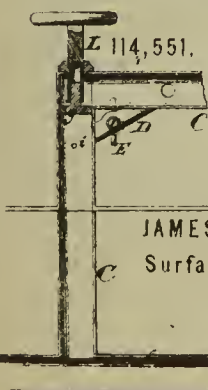
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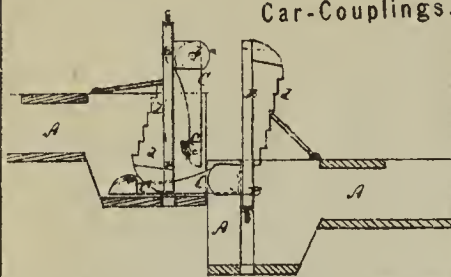
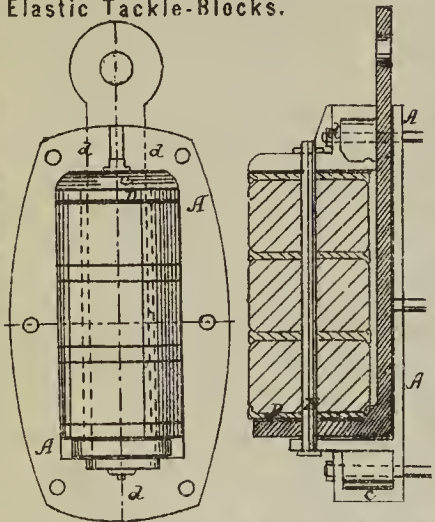
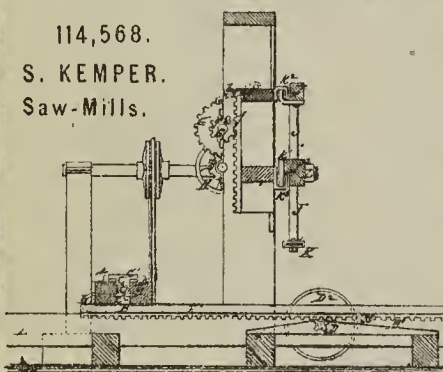
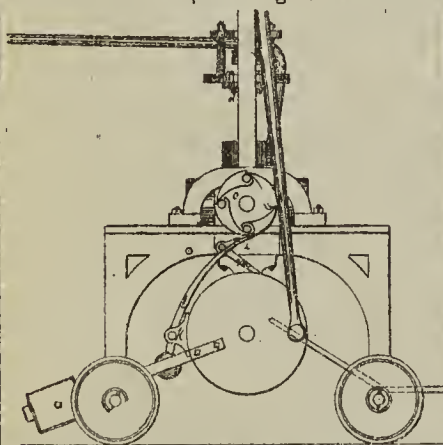
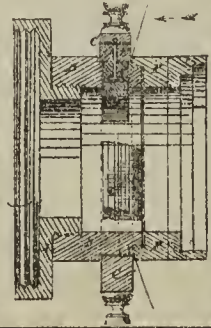
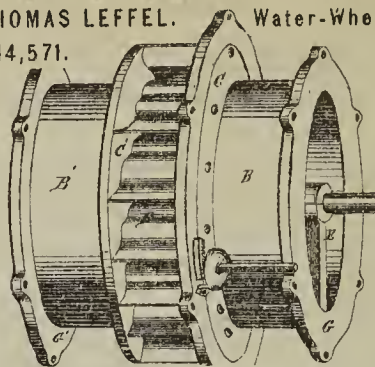


DANIEL A. JOHNSON.
Wheel-Rims
114,565.

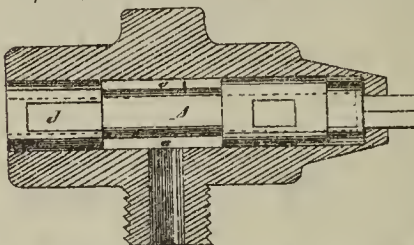
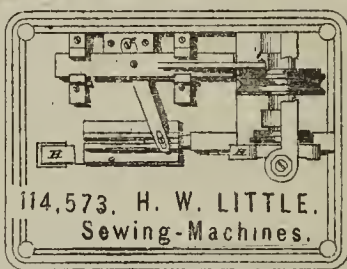
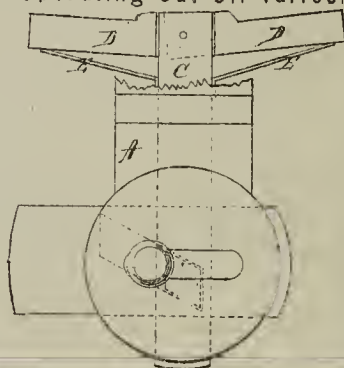
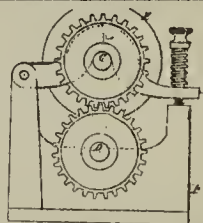


JAMES S. GRIFFITH.
Surface-Blow-Offs

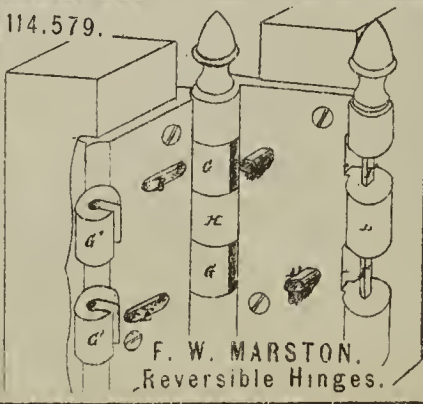


114,566. WILLIAM JOHNSTON.
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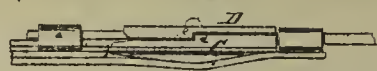
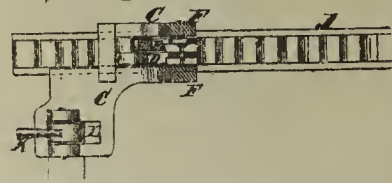
114,572. JOSEPH LEWIS. Valves.

114,573. H. W. LITTLE.
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Scourers.

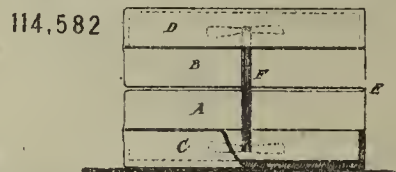
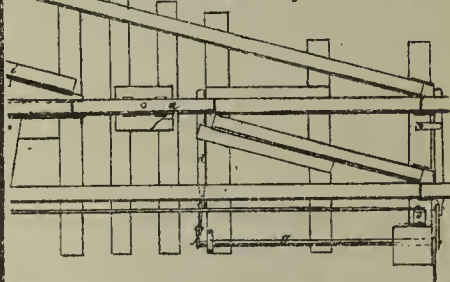
114,579.

F. W. MARSTON.
Reversible Hinges.

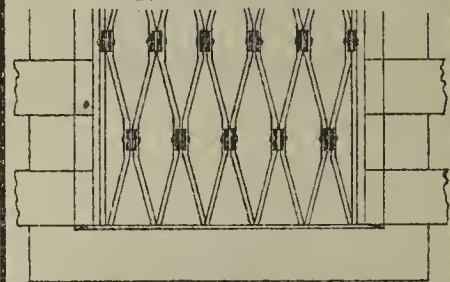
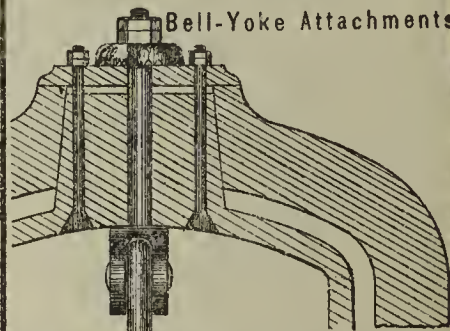
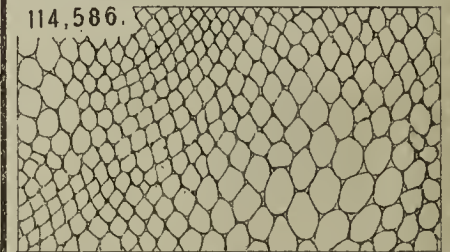
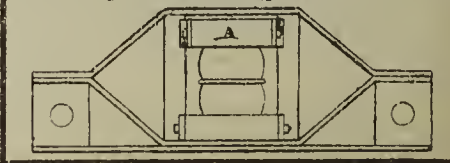
114,580. JOHN F. MARTIN. Buckles

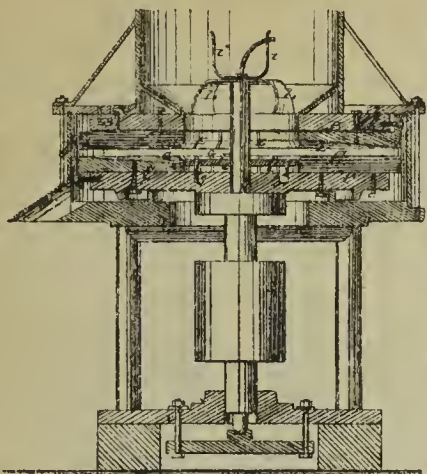
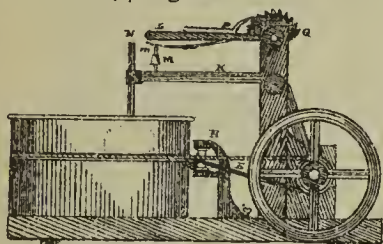
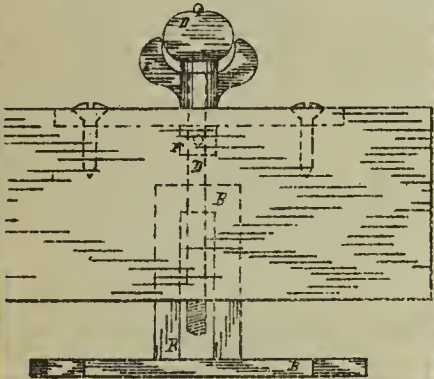
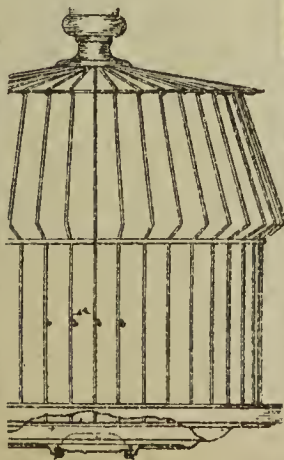
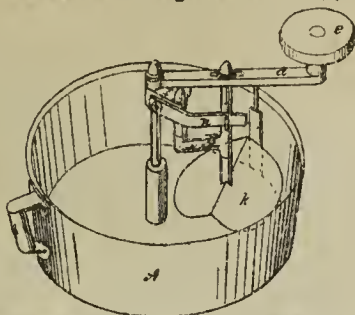
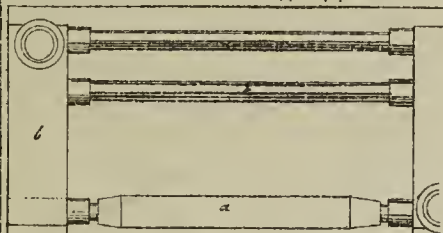
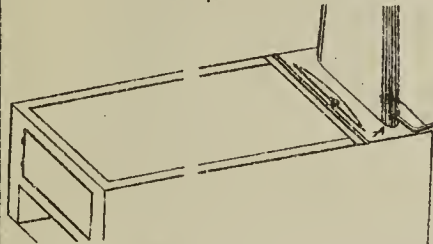
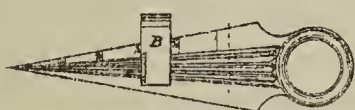
114,581. M. MARTIN.
Adjusting Cotton-Bale Ties.

HENRY MATIER. Paper-Boxes.

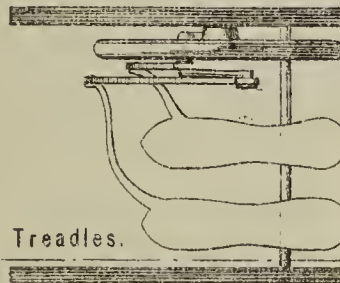
114,583. JAMES M. MAXWELL.
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114,584. E. MAY. Prison Gratings.

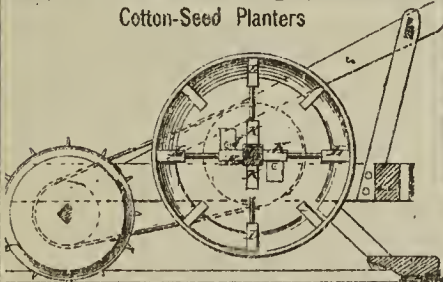
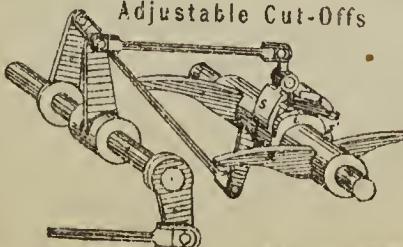
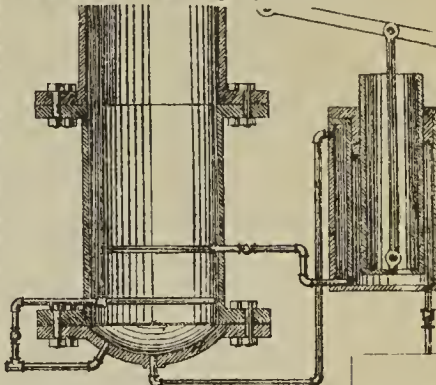
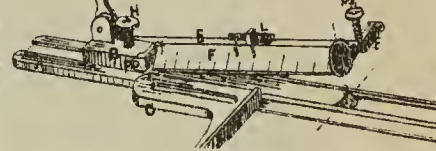
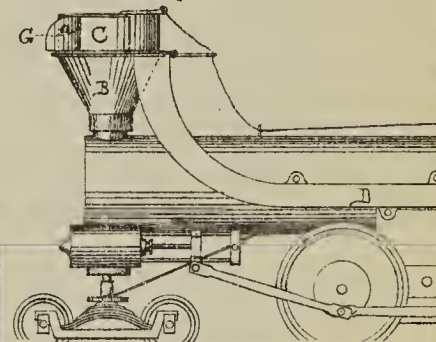
114,585. C. H. MENEELY.
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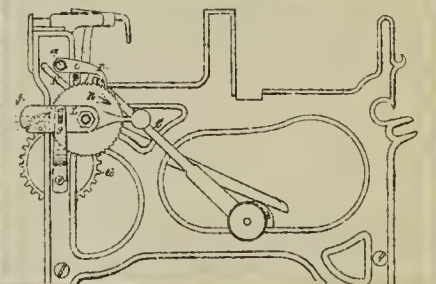
114,599. PROCTOR & HAMILTON.



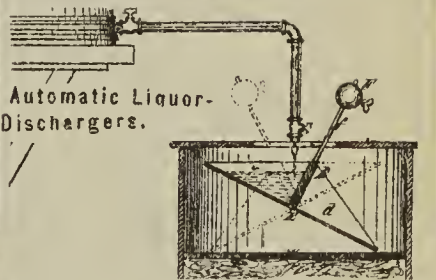
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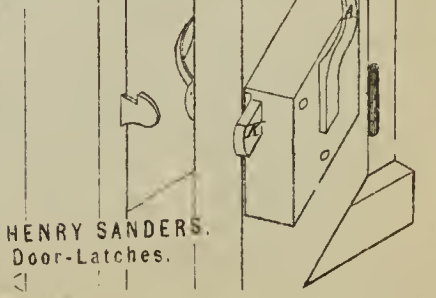
114,606. W. ROUSE. Loom Take-Up.

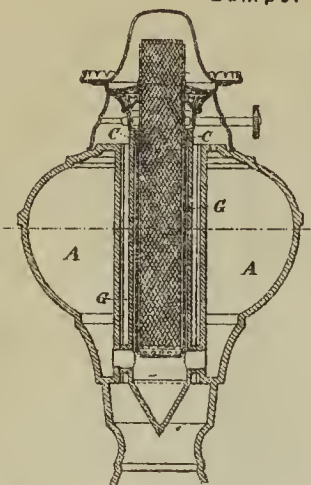
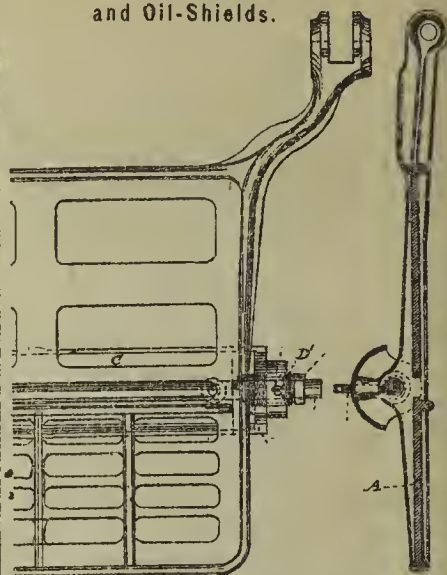
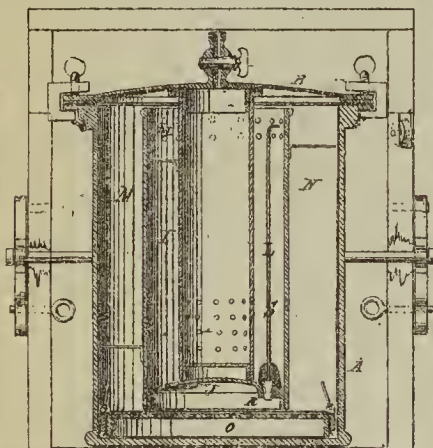
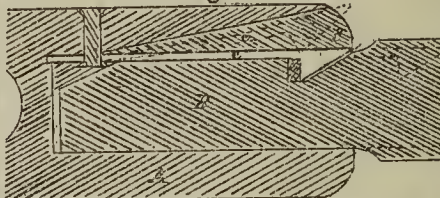
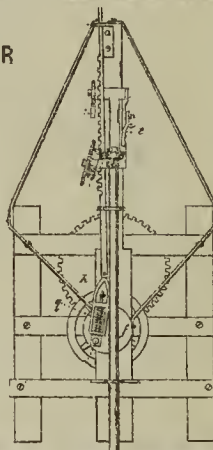
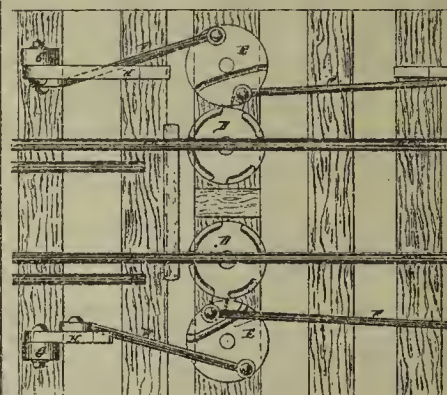


114,607. A. C. ROWE.

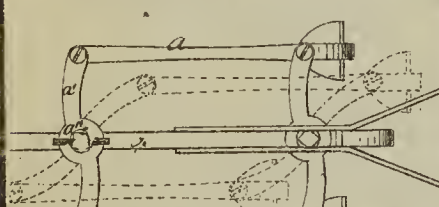
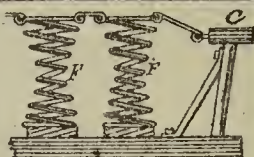
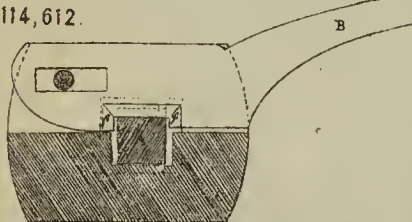
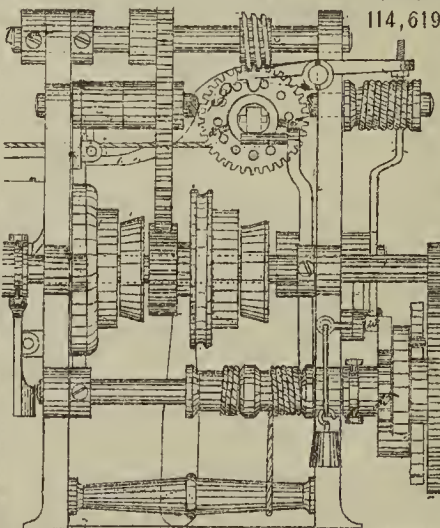


114,608.

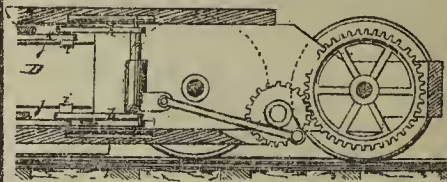
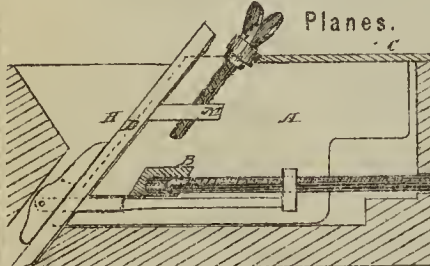
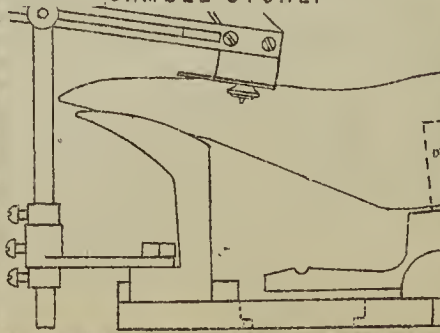
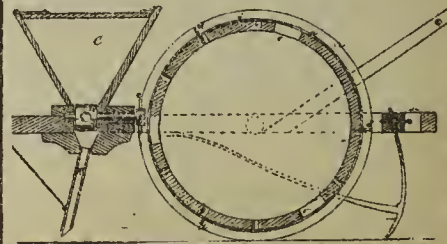
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Railway-Switches.

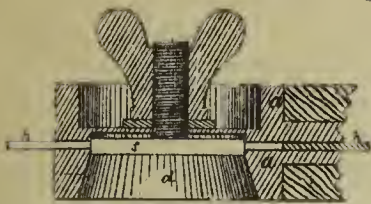
114,611. M. R. SHALTERS. Plows.

114,618.
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SPECKNER.
Spring Bed
-Bottoms.JOHN SHEPLER, Car-Couplings
114,612.J. STEAD, H. HOLCROFT & F. R.
Mules for Spinning, PEARSON
114,619.

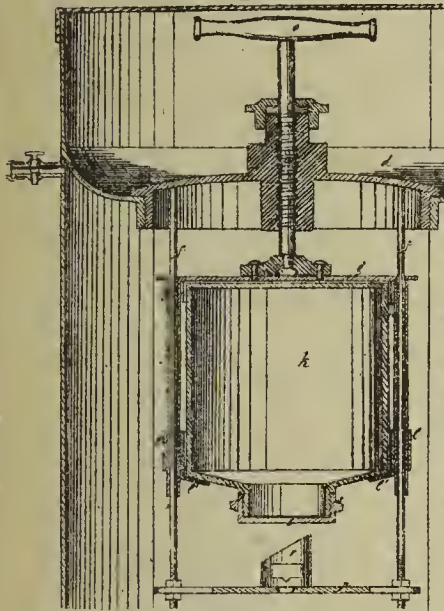
114,623 A. STUTZMAN. Snow-Plows.

114,613. J. K. P. SMITH.
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A. W. THOMAS.
Tournures.114,614. SAMUEL SMITH.
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SAMUEL STONE.114,625. -WILLIAM B. TOWNES.
Combined Corn and Cotton Planters.

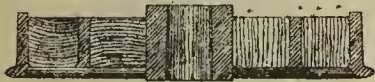
114,626. J. A. TRAUT.
Adjustable Bevels.



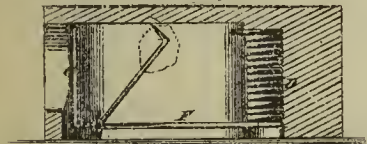
114,627. J. B. VAN DYNF
Fire-Extinguishers.



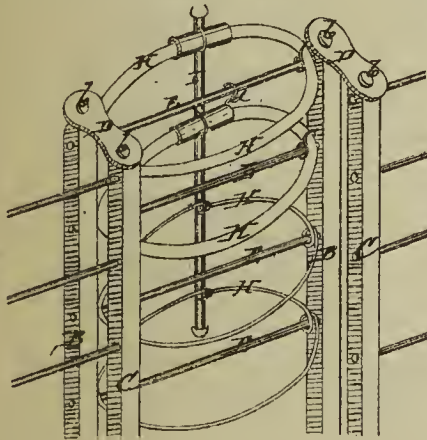
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P. H. WATSON.
Car-Wheels.



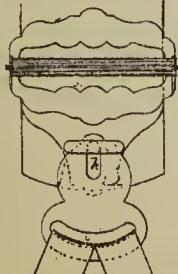
114,629 HENRY S. WELLER.
Mouse-Traps.



114,630. L. M. WHITMAN.
Clothes-Driers.



114,631.
H. S. WILKIN.
Buckles.

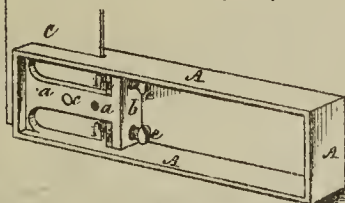


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W. WILSON.
WALL-PAPERS.

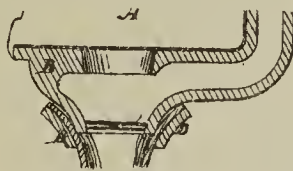
114,633
L. J. WOODRUFF.
Snow-Plows and
Rail-Cleaners.



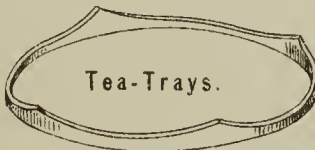
114,634. L. BAILEY.
Adjustable Try-Squares.



114,635. A. BARROWS.
Pipe Attachments in Plumbing.

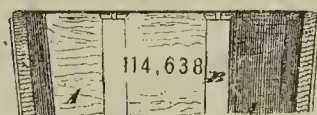
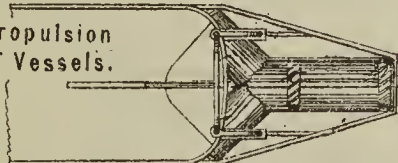


114,636. HENRY B. BEACH.



114,637. GEORGE A. BEIDLER.

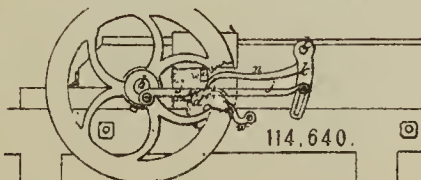
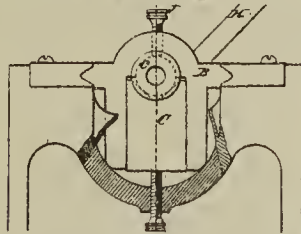
Propulsion
of Vessels.



114,638

J. BOOHER.
Tree-Tubs.

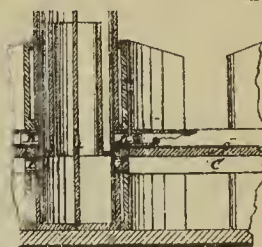
114,639. T. V. BOYDON.
Machines for Heading Cartridge-Shells.



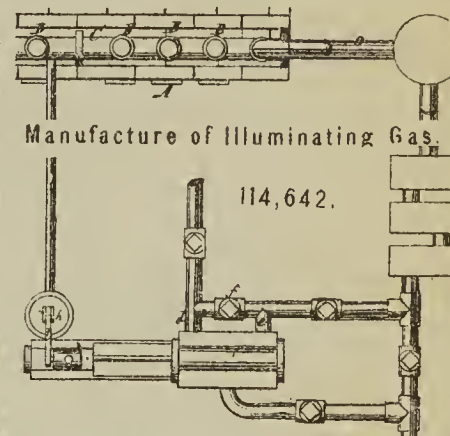
114,640.

JOSEPH H. BRADLEY.
Straw-Cutters.

114,641.
S. BUNN.
Puddling-
Furnaces.



A. S. CAMERON & W. E. EVERETT.

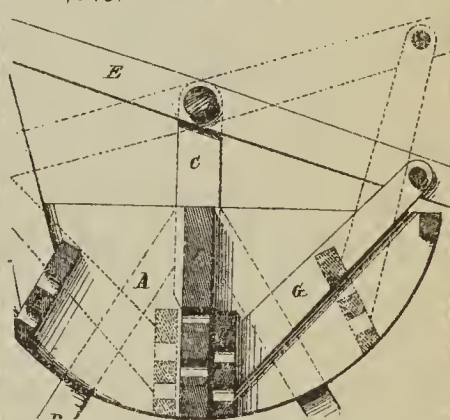


Manufacture of Illuminating Gas.

114,642.

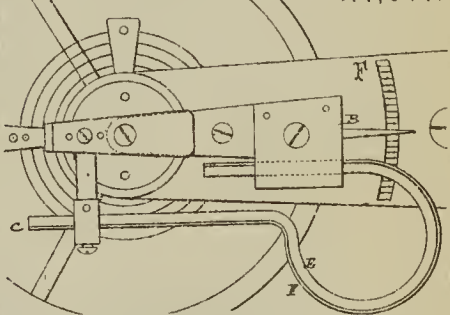
EDWARD R. CHAMBERLIN.

114,643. Washing-Machines.

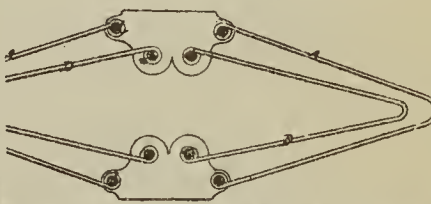


J. P. CLARK. Watch-Regulators.

114,644.



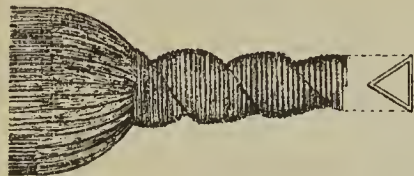
114,645. EDWARD CLIFF.
Springs for Railway-Cars.



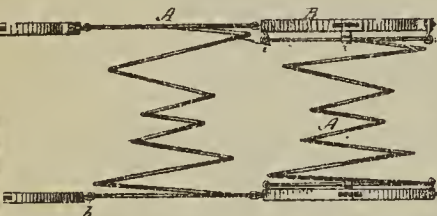
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E. P. COOLEY.
Whisk-Brooms.



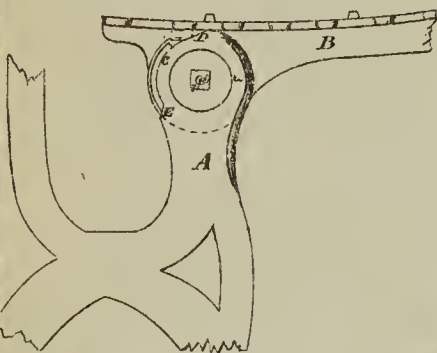
114,647. G. A. COOPER &
C. SOUTHWORTH.
Tassel-Heads.



114,648. R. T. CORNELL.
Spring-Mattresses.



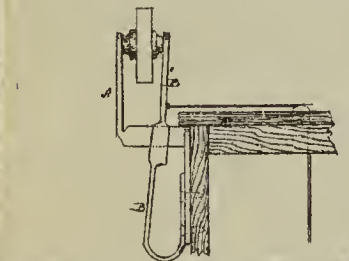
114,649. C. U. CRANDALL.
School-Desk Joints.



114,650. DAVIS & BUNNELL.
Water-Wheel Gates.

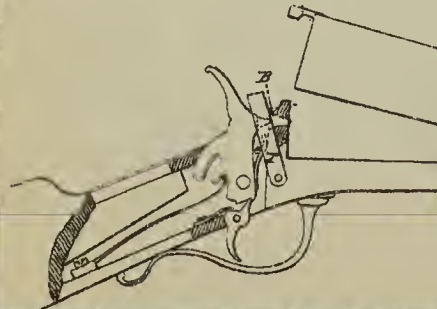


114,651. D. DICK.
Clamps for Holding Packages,

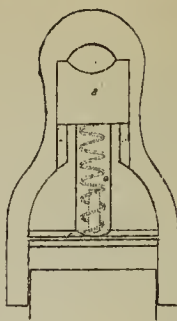


114,652. EARDLEY LOUIS CHARLES D'VERNOIS.
PRODUCING THE ELECTRIC LIGHT.

114,653. WILLIAM C. DODGE.
Breech-Loading Fire-Arms



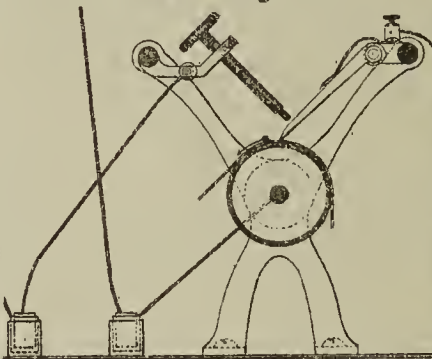
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A. B. DOWELL.
Trace-Fasteners.



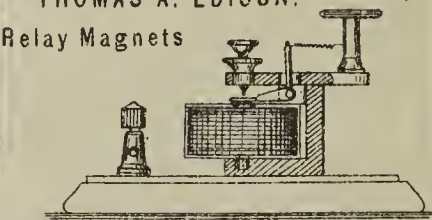
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N. DUBRUL.
Cigar-Molds.



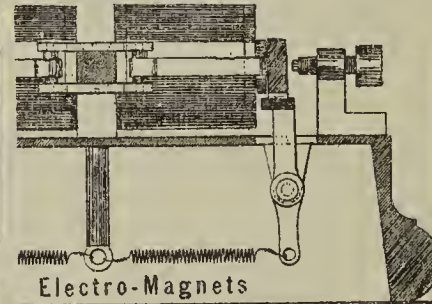
114,656 THOMAS A. EDISON.
Transmitting Instruments.



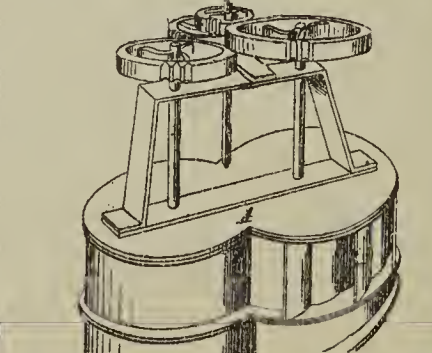
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THOMAS A. EDISON.
Relay Magnets



114,658. THOMAS A. EDISON.



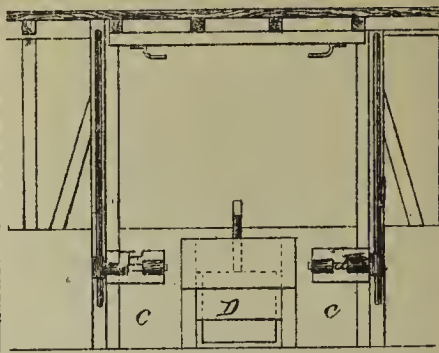
114,659 M. FLANIGAN.
Water-Wheels.



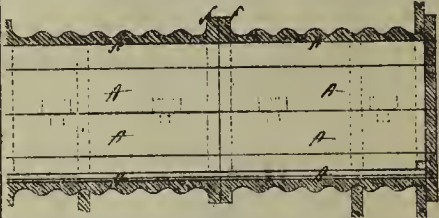
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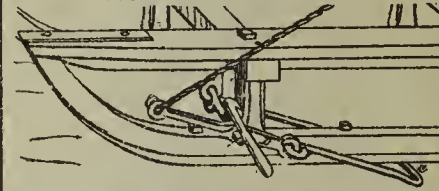
114,661. L. F. FRAZEE.
Grain-Doors for Cars.



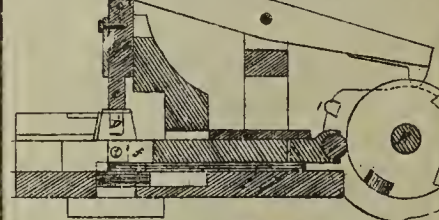
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Iron-Culverts.



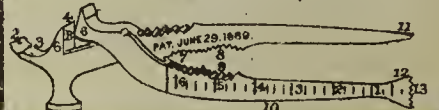
114,663. GEORGE C. FULLER.
Sleigh-Brakes.



114,664. GEORGE H. FULLER.
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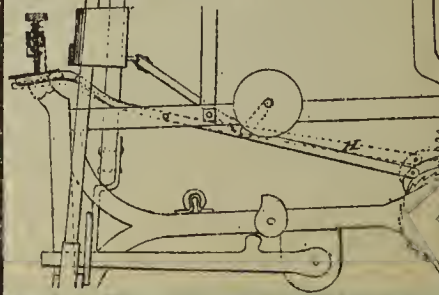
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Household Implements.



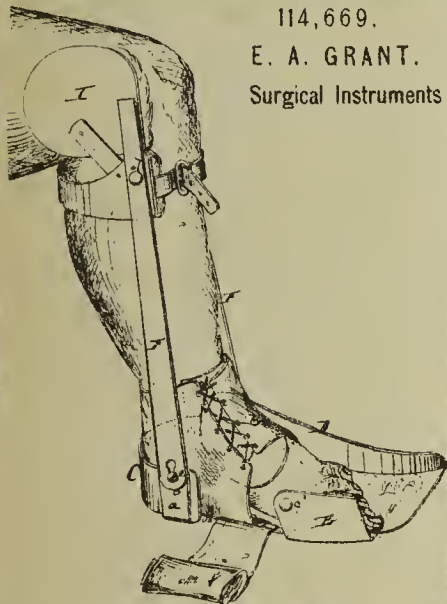
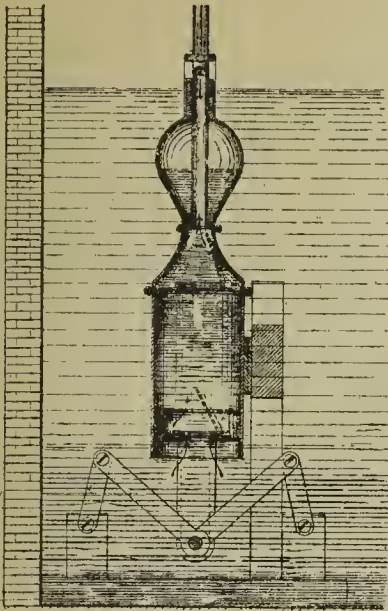
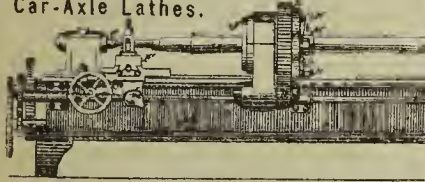
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F. W. GORDON.
Steam-Boilers.



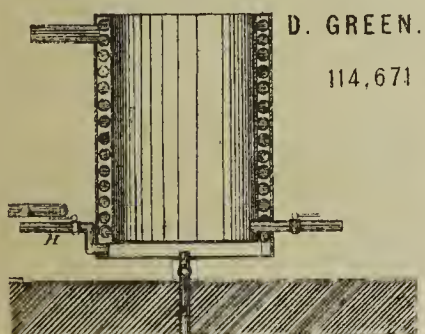
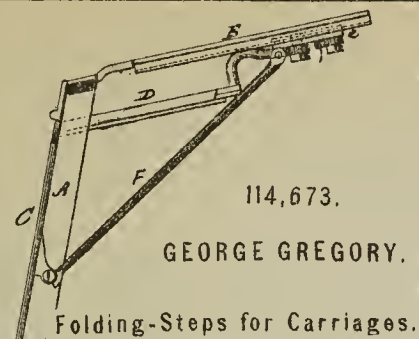
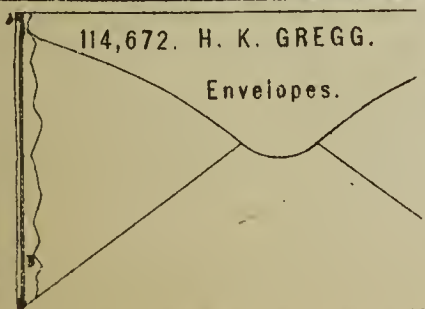
114,667. Let-Off Mechanisms for
Looms.
THOMAS GORRELL



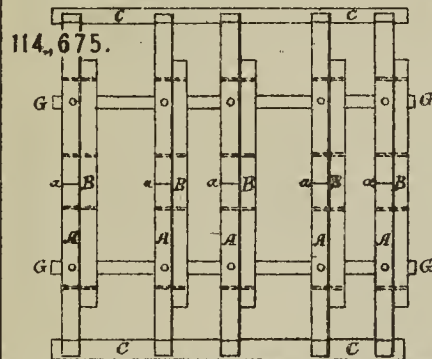
114,668. T. B. GOULDING. Pumps.

114,669.
E. A. GRANT.
Surgical Instruments114,670. GEORGE A. GRAY, Jr.
Car-Axle Lathes.

Mashing and Brewing.

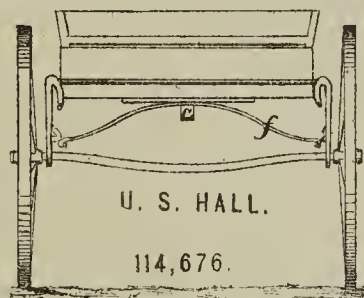
D. GREEN.
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Folding-Steps for Carriages.D. A. GRIFFITH. Stock-Markers.
114,674.

JOHN W. GRIFFITHS Railroad-Car



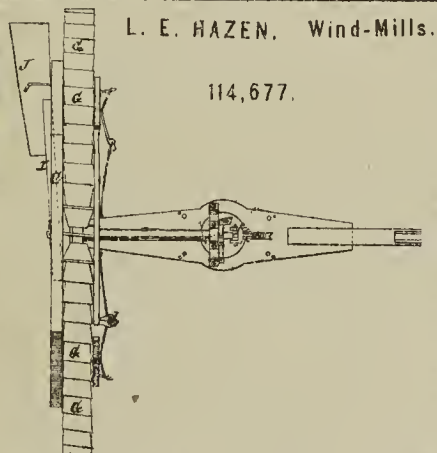
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Attaching Springs to Carriages.



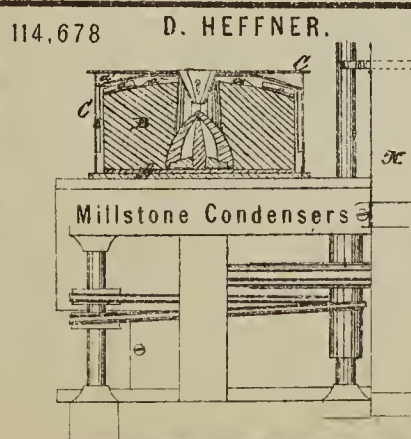
U. S. HALL.

114,676.



L. E. HAZEN. Wind-Mills.

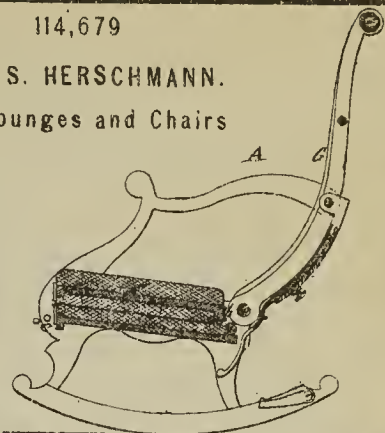
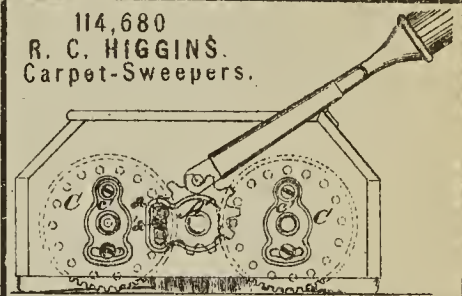
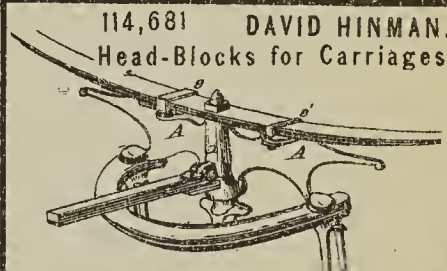
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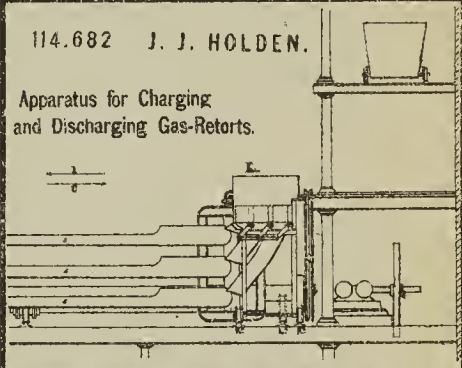
114,678 D. HEFFNER.

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114,679

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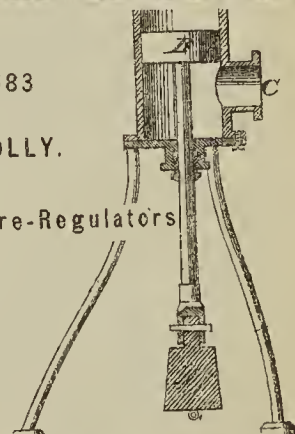
114,682 J. J. HOLDEN.

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and Discharging Gas-Retorts.

114,683

B. HOLLY.

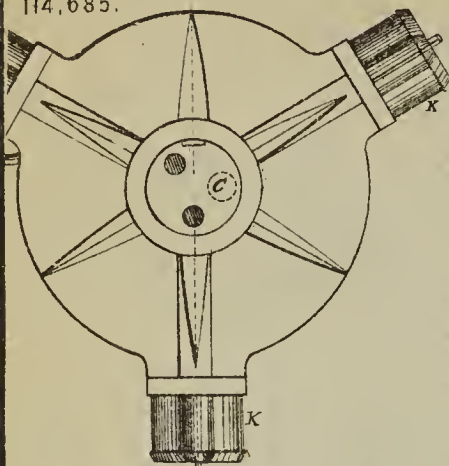
Pressure-Regulators

C. F. H. HUFF.
A Sofa Bedsteads.

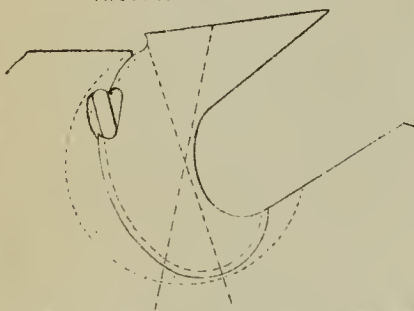
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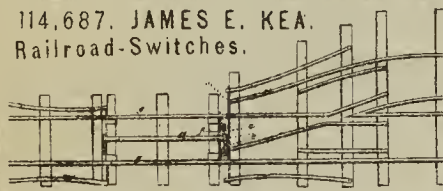
ROBERT HUGHES. Rotary-Engines.
114,685.



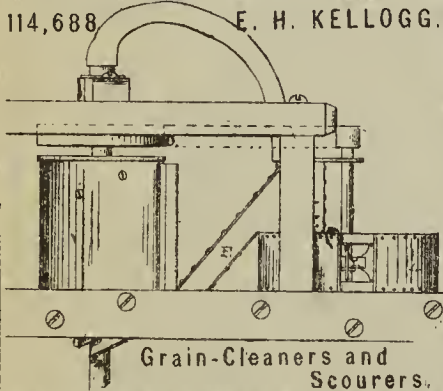
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Insertable Saw-Teeth.



114,687. JAMES E. KEA.
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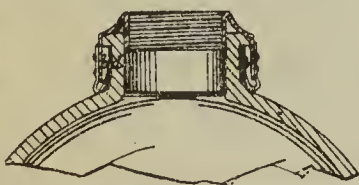


114,688. E. H. KELLOGG.



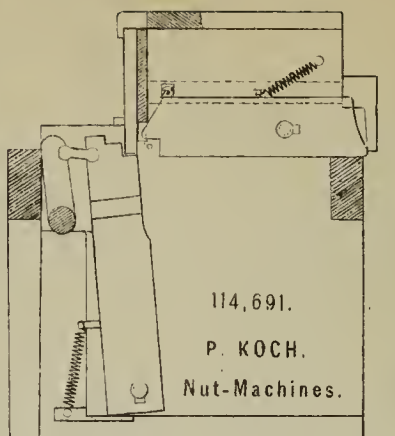
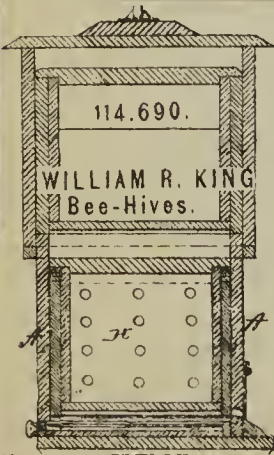
Grain-Cleaners and
Scourers.

114,689 EDWARD S. KENNEDY.
Securing Collars to Lamps, &c.



114,690.

WILLIAM R. KING
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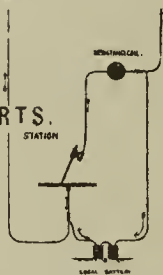


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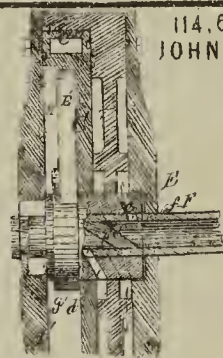
P. KOCH.
Nut-Machines.

114,692.
MARSHALL LEFFERTS.

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Telegraphs.



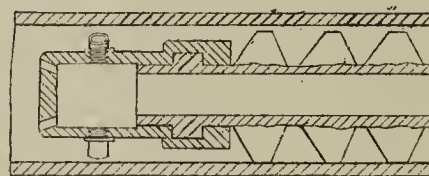
114,693. GEORGE T. LEWIS.
GRINDING PHOSPHATE SUBSTANCES.



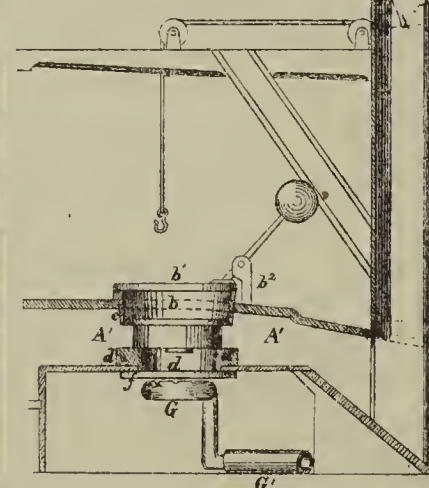
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JOHN P. LINDSAY.

Water-Meter

114,695. CHARLES LUNGLEY.
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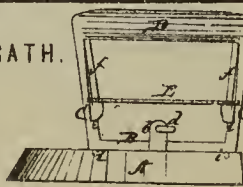


114,696. THOMAS W. LYON
Reverberatory-Furnaces



ROBERT McGRATH.
Sad-Irons

114,698.



114,697.

R. Y. MARTIN.

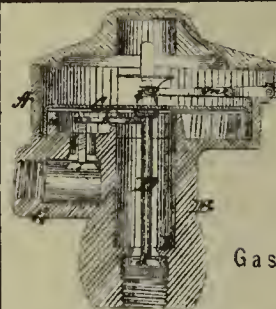
Whisk-Brooms.



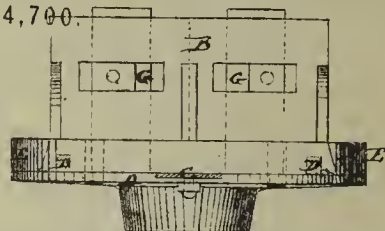
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JOSEPH S.
MERRIKEN.

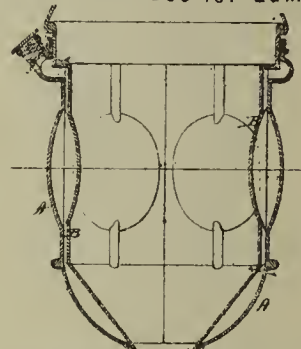
Gas-Regulators



JOHN C. MILLER Lathe-Chucks.
114,700.

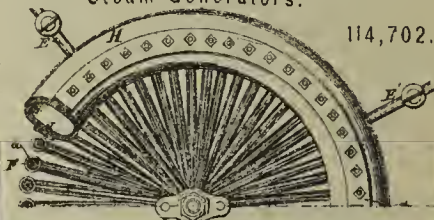


114,701. GEORGE W. MORRISON.
Lenticular Globes for Lamps.



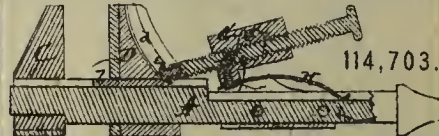
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114,702.



JOSEPH N. NEWELL. Wrenches.

114,703.



114,704. O. S. OSGOOD.
Bed-Bottoms.



114,705.

CHARLES H. PARKER.

Wrought-Iron and
Steel Columns.

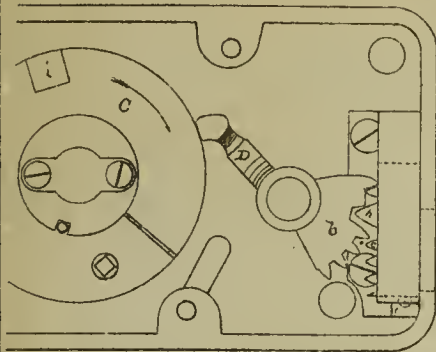


114,706.

ILLUSTRATIONS OF PATENTS

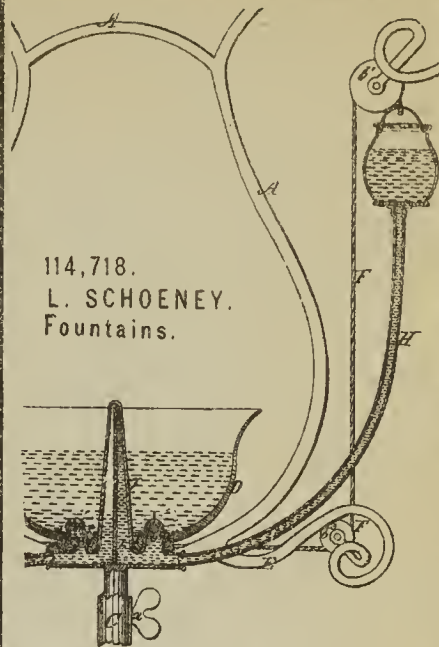
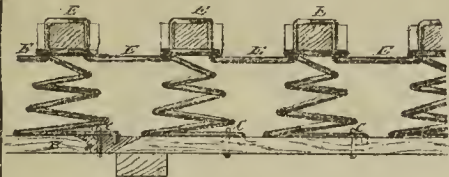
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O. E. PILLARD. 114,706.
Permutation-Locks.



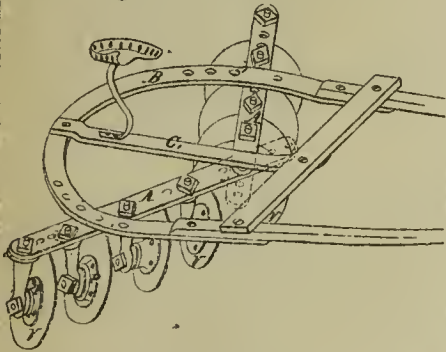
114,711. JOHN RILEY.
COMPOSITIONS FOR COVERING
STEAM-BOILERS, &c.

114,712. GEORGE W. ROBBINS
Spring Bed-Bottoms.

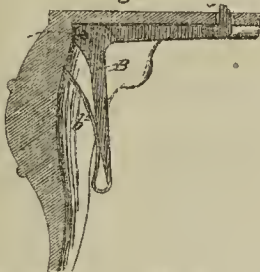


114,718.
L. SCHOENEY.
Fountains.

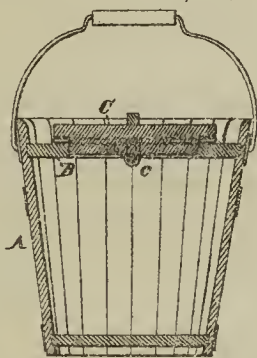
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Revolving-Disk Harrows.



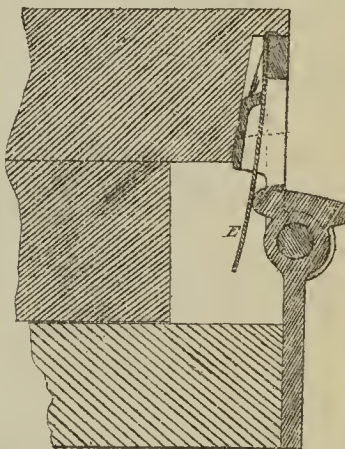
114,713 BENJAMIN F. ROBERTS.
Stove-Legs.



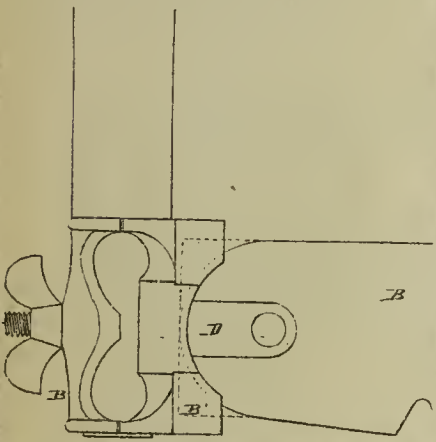
114,714. A. ROBERTSON
Butter-Pails, &c.



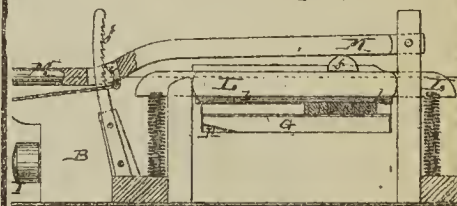
114,719. N. SEHNER Spring-Hinges



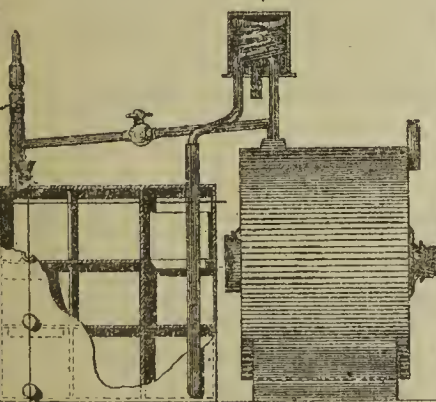
114,708. ROBERT REID.
Handles for Cross-Cut Saws.



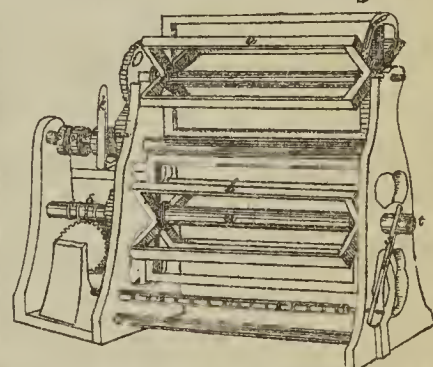
114,720. A. SHERMAN.
Machines for Tenoning Spokes.



114,709. GEORGE REX.
Apparatus for Carbureting Air.



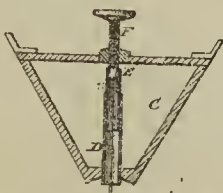
114,721. SAMUEL K. SMITH.
Measuring, Stretching and Skeining Silk.



114,710.
JOHN RICHARDS.
Band-Sawing Machines.



114,716. M. G. RYAN. Lubricators.



114,717. HARVEY SAWYER.
MEDICAL COMPOUNDS FOR
CURE OF RHEUMATISM.



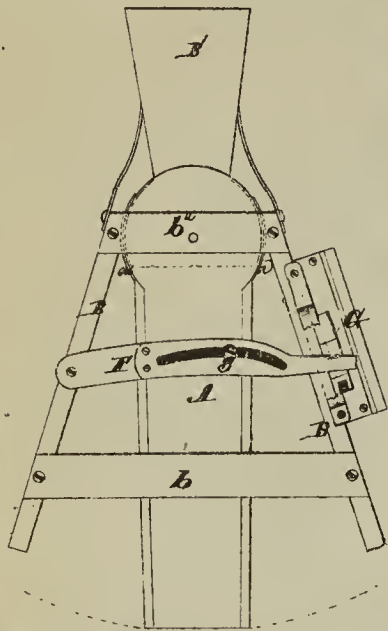
114,722.
F. SOUWEINE.
Extension-Tables.

114,723.

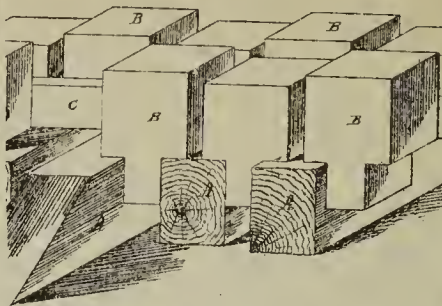
ISSUED MAY 9, 1871.

114,735.

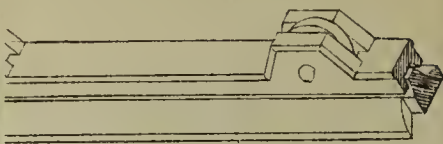
114,723.
WILLIAM HENRY STINSON.
Grain-Registering Devices.



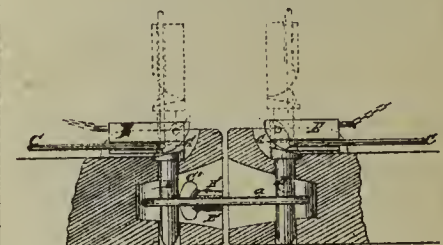
114,727. H. H. THAYER.
Wood Pavements.



114,731 GEORGE L. WAITT.
Sliding-Door and Sash Guides.



114,732. WILLIAM K. WALLACE &
EDWARD C. RUTLEDGE.
Car-Couplings.



114,733. JOHN C. WANDS.
Metallic Roofings.

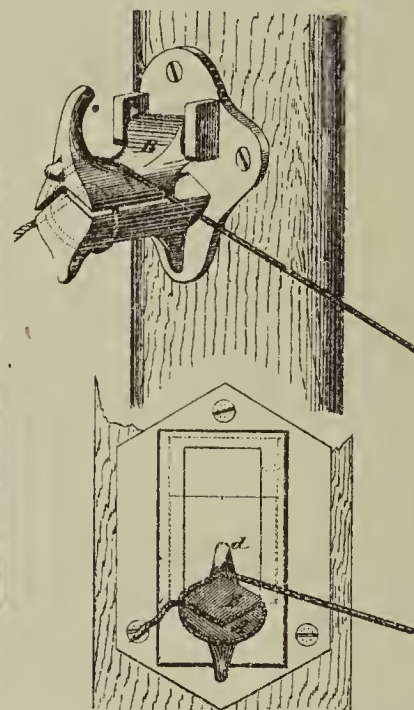


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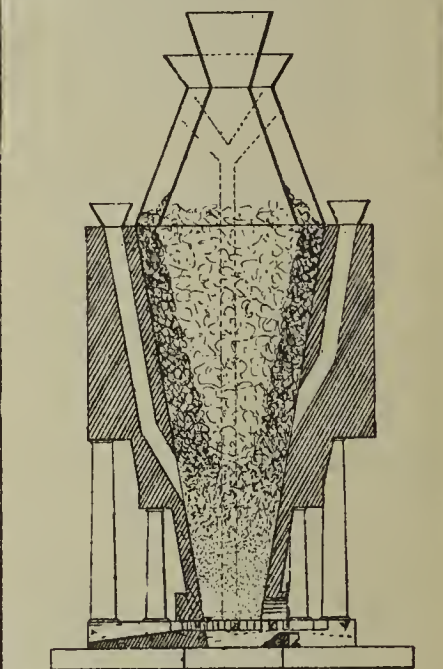
L. R. STOCKBRIDGE.
Balmorals or Laced Boots.



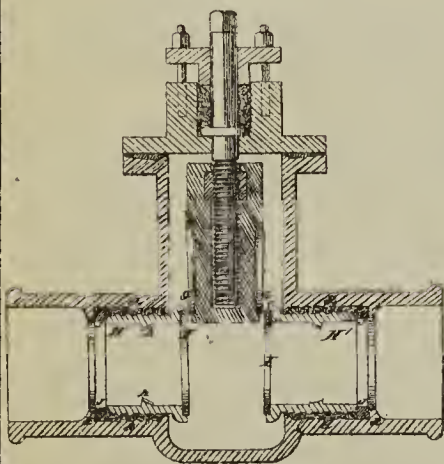
114,728. C. L. TOPLIFF
Clothes-Line Holder



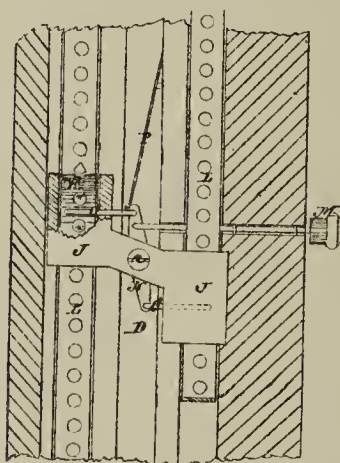
114,734. JOSEPH E. WARE.
Furnaces for Reducing Ores.



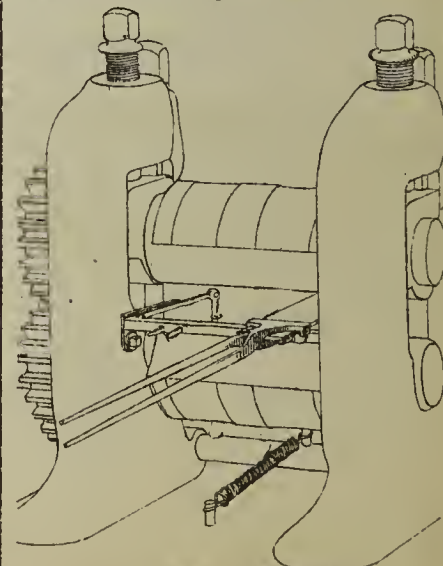
114,725. J. H. STREHLI.
Stop-Valves.



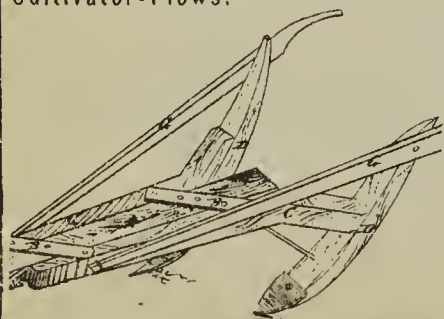
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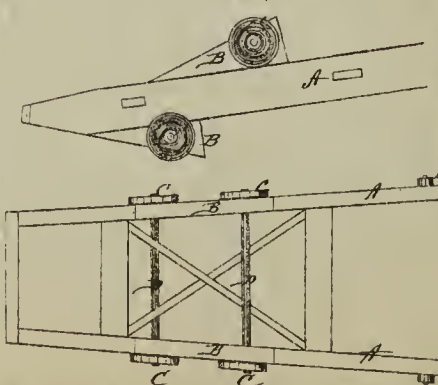
114,735. H. WATERS.
Guiding and Gauging Mechanisms

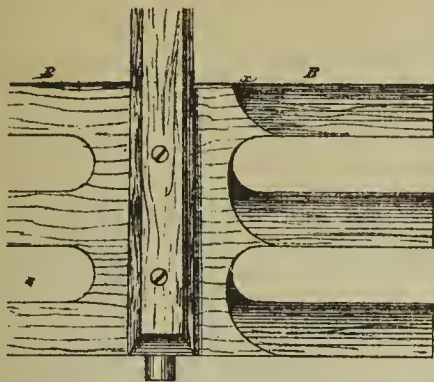
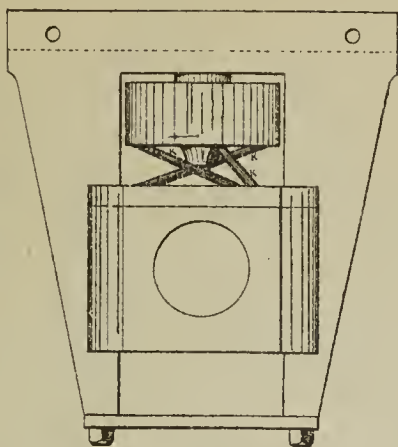


114,726.
L. S. TEWELL.
Cultivator-Plows.

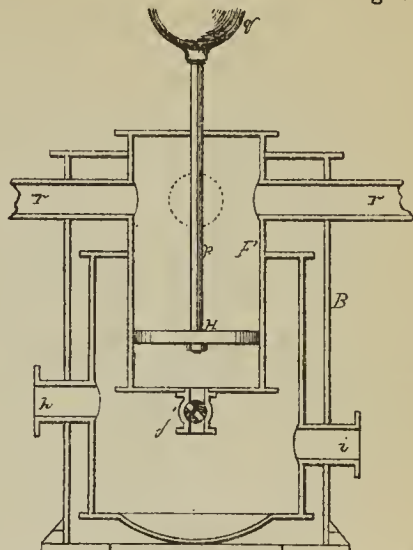
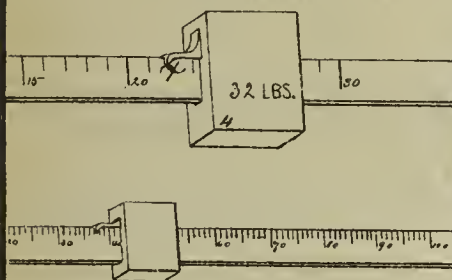
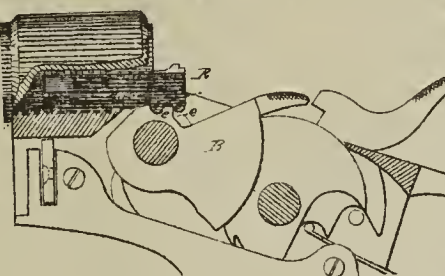
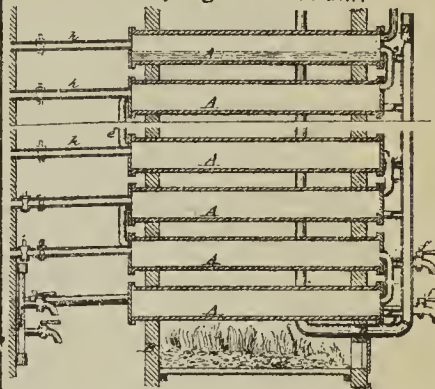
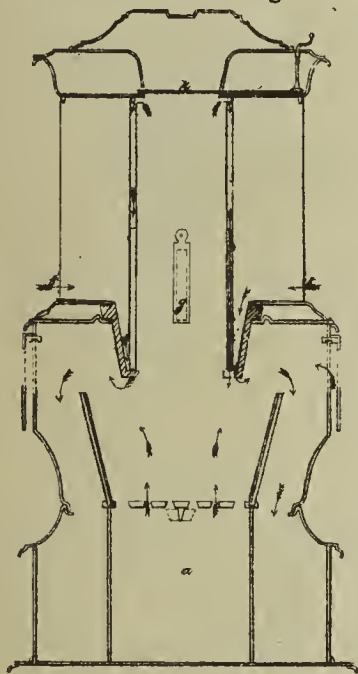
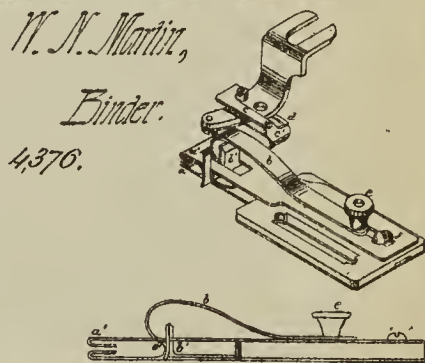
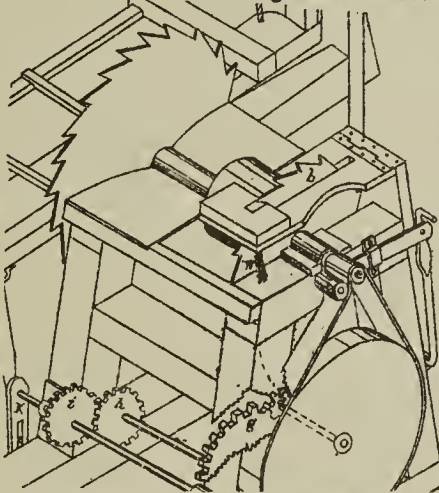
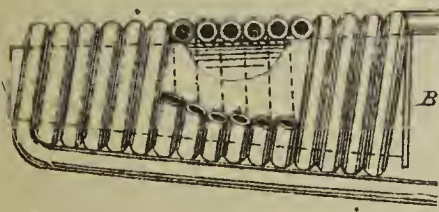


114,730. WAGNER & BUSHNELL.
Elevating Truck

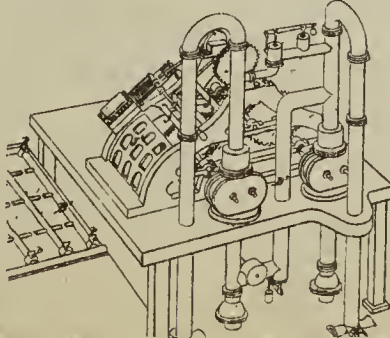
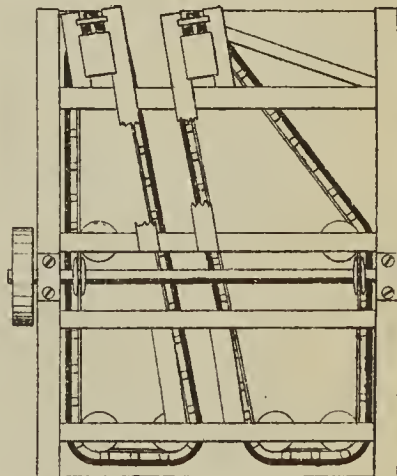
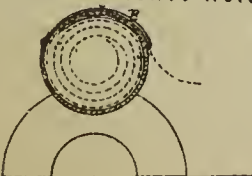


114,736. H. L. WELLS.
Churn-Dasher114,741. S. YERKES, Jr.
Railway-Car Springs

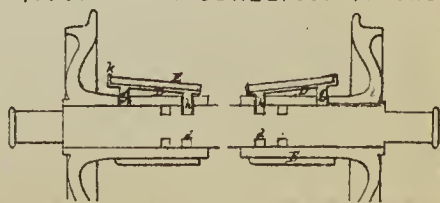
4,374 JOHN HOUP Steam-Engine

114,737. H. P. WHEELER.
Weighing-Scales.114,742. J. YGLESIAS.
Breech-Loading Fire-Arms.4,375. KELLEY & TAIT.
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Base-Burning Stoves.4,370. WILLIAM BERREY.
DETERGENT COMPOUNDS.4,371 W. R. CLOSE.
Shingle-Machines.114,739 JOHN WOOD, Jr.
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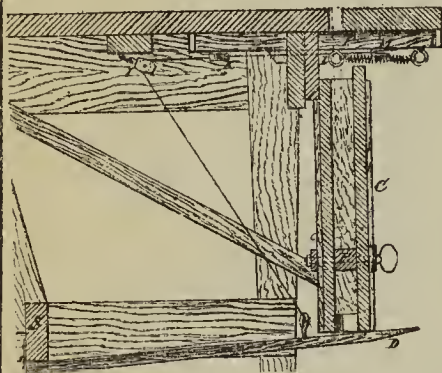
*N. W. Green,
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Harvester-Rakes.114,740. E. M. WRIGHT.
Ticket-Holders.

4,378. C. D. TISDALE. Car-Trucks

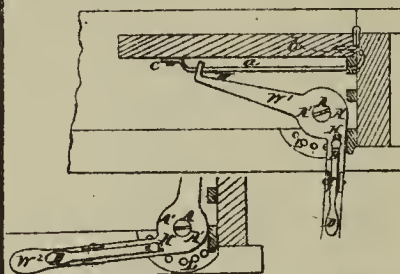


ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
MAY 16, 1871.

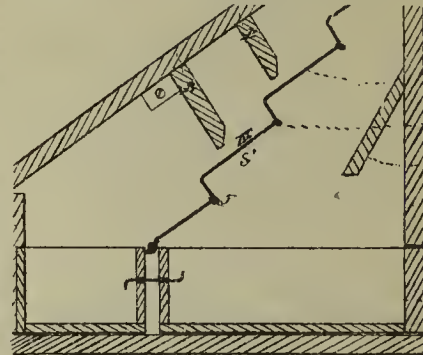
114,743. A ADAMS.
Paper-Bag Machines.



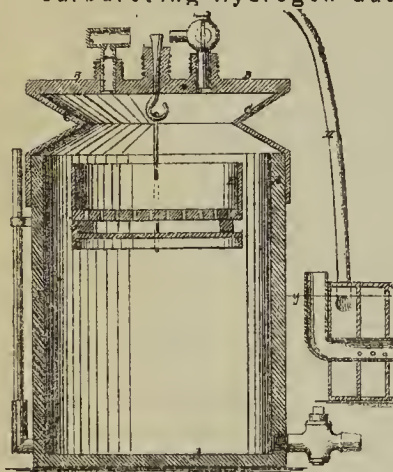
114,748. HENRY H. BARR
Shutter-Workers.



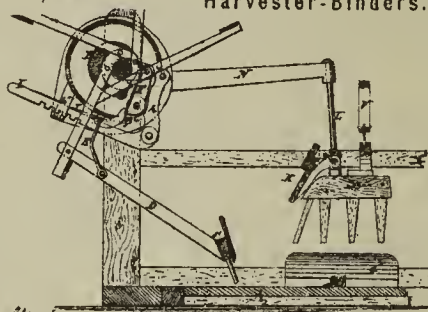
114,753. E. G. BELKNAP.
Coal-Screens.



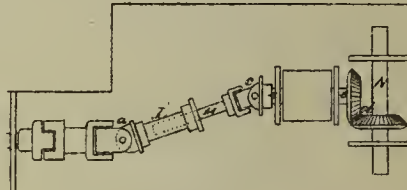
114,744. JACOB AMBUHL
Carbureting Hydrogen Gas.



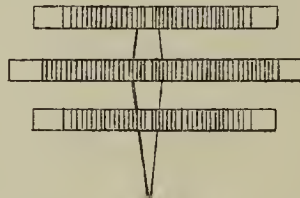
114,749. JOSEPH BARTA.
Harvester-Binders.



114,754. A. BLATCHLY.
Gearings for Operating Drills.



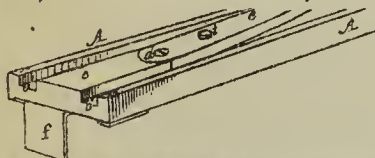
114,750. J. C. BATTERSBY.
Sticking or Adhesive Plasters.



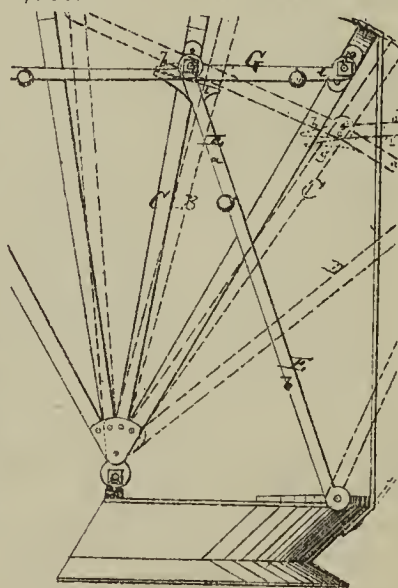
E. BOLMAN & G. S. W. CLARKE.
Car-Couplings. 114,755.



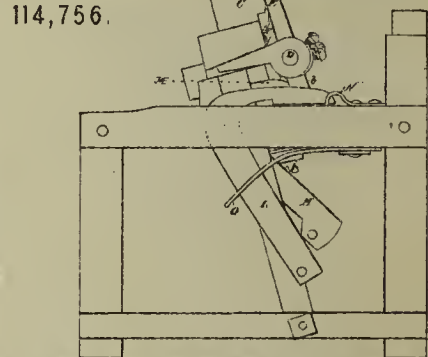
114,745. CHARLES C. ASH.
Car-Replacers.



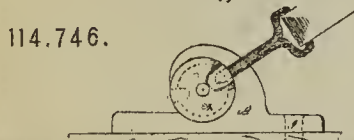
114,751. WILLIAM BAUDER.
Carriage-Tops.



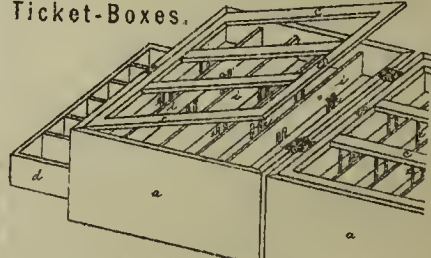
114,756. SAMUEL BOORN.
Looms.



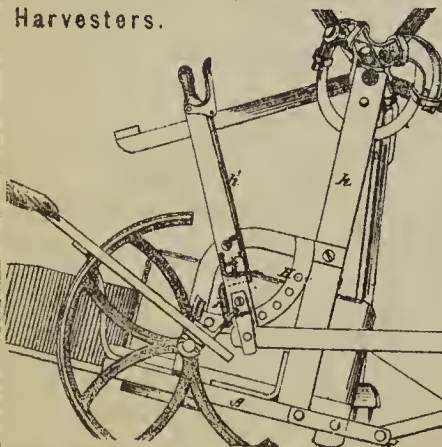
114,746. WILLIAM R. BAKER.
Carriage Holdbacks.



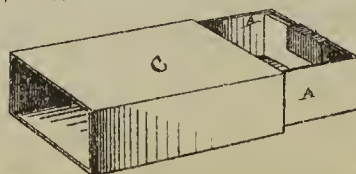
114,757. N. C. BURSON & JOHN W. ROBERTSON.
Ticket-Boxes.



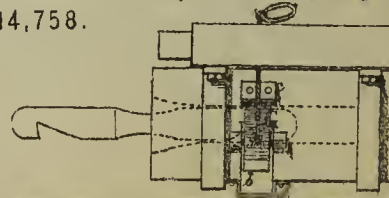
114,747. JOHN BARNES.
Harvesters.



114,752. P. BEER.
Paper-Boxes.

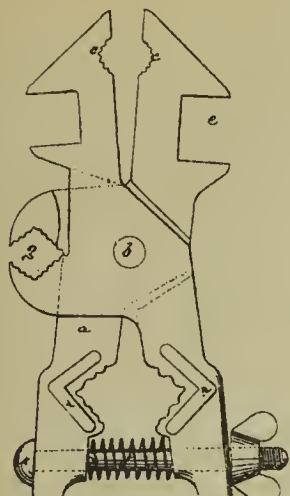


114,758. P. CAMPBELL.
Railway-Car Couplings.



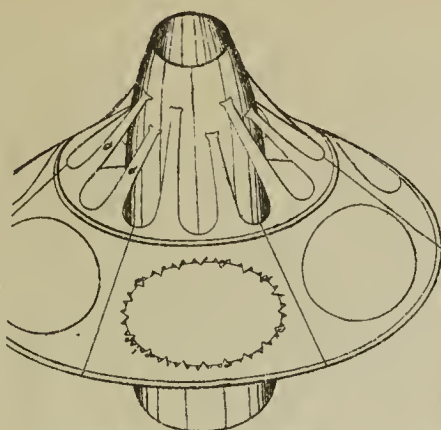
GEORGE J. CAPEWELL.

114,759. Combined Tools.



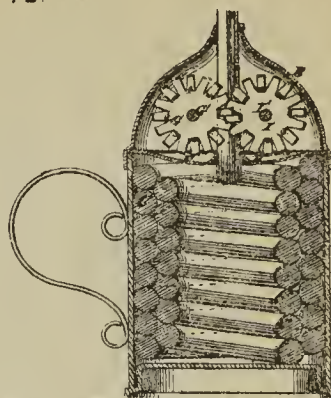
114,766. M. H. COLLINS.

Lamp-Shades.



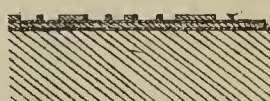
SAMUEL G. DARE.

114,772 Feeders for Wax-Tapers.



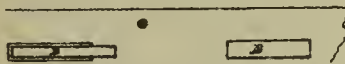
Elastic Types.

114,773. H. J. DAVIES.



WILLIAM J. CARROLL.

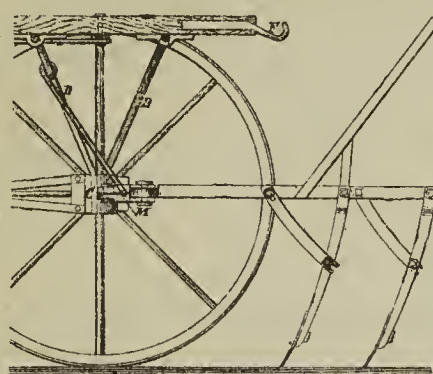
114,760. Cotton-Bale Ties.



114,761. ISAAC CHARLES,
CEMENTS FOR COATING AND
SEALING COFFINS. &c.

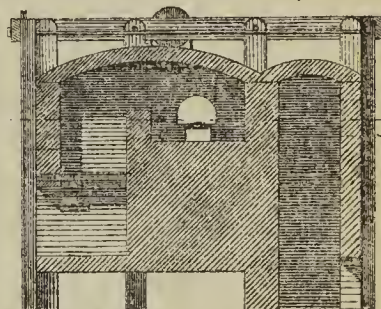
114,767. JOHN H. CONLEY.

Cultivators.



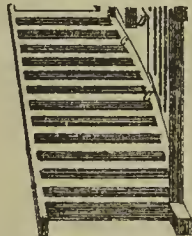
JOSEPH DAVIS.

114,774. Reverberatory Furnaces.



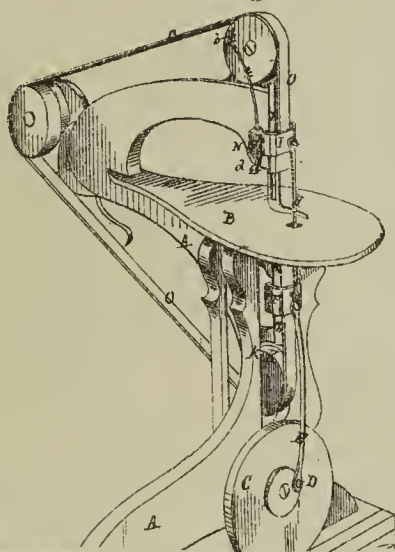
114,762. JOHN CHURCHMAN.

Grates for Stoves, &c.



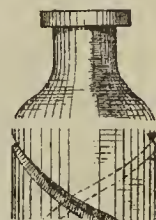
GEORGE COOK.

114,768 Scroll-Sawing-Machines.



JOHN C. DAVISON. 114,775.

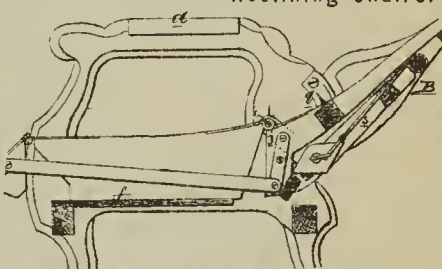
Acid Bottles for Fire-Extinguishers.



114,776 GEORGE C. LOUIS DEGENHARDT
PURIFYING WATER FOR STEAM-BOILERS.

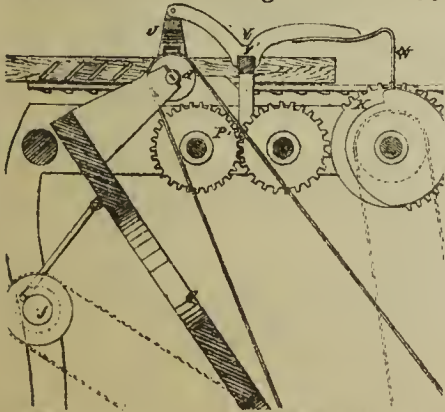
EDWARD DIETZ.

114,777. Reclining-Chairs.



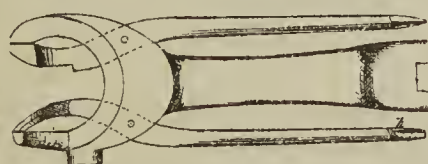
L. M. COLLINS.

114,765. Mortising Blind-Stiles

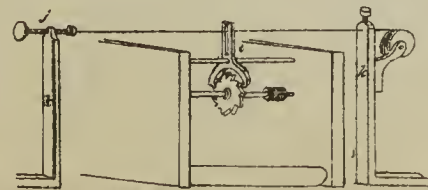


JOHN W. CURRIER.

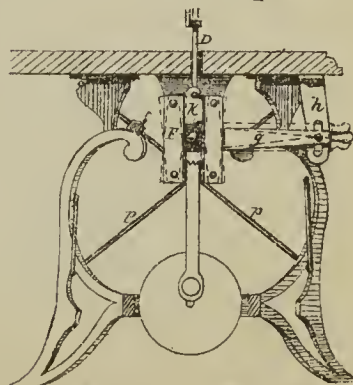
114,770. Combined Tools.



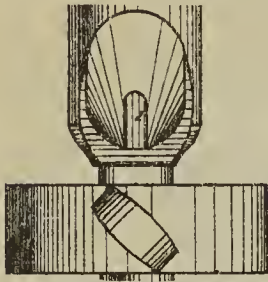
114,771. L. G. D'ARLINCOURT.
Electric-Telegraphs.



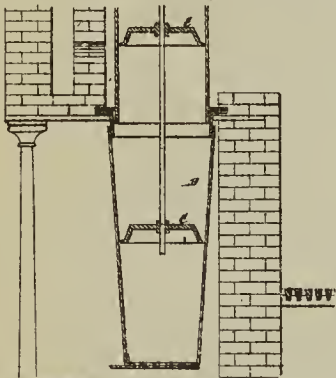
WILLIAM H. DOBSON. 114,778.
Scroll-Sawing Machines.



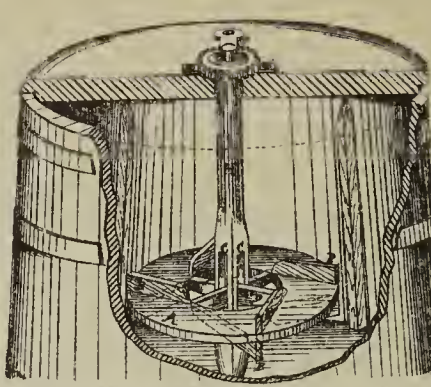
114,779. JOHN E. DONALDSON.
Molding-Planes.



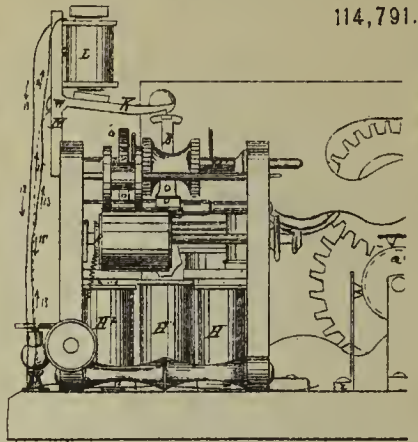
EDWARD P. EASTWICK. 114,780
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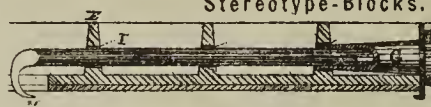
114,785. JOHN E. FINLEY.
Churns.



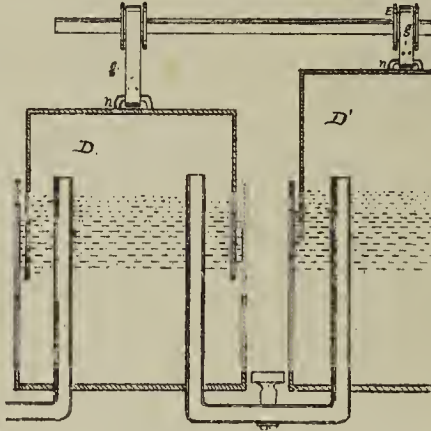
T. M. FOOTE & CHARLES A. RANDALL
Printing-Telegraph Apparatus.
114,791.



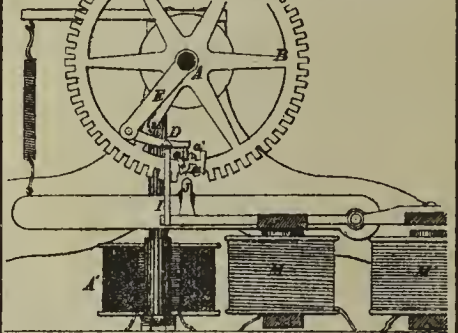
114,786. JAMES FISH.
Stereotype-Blocks.



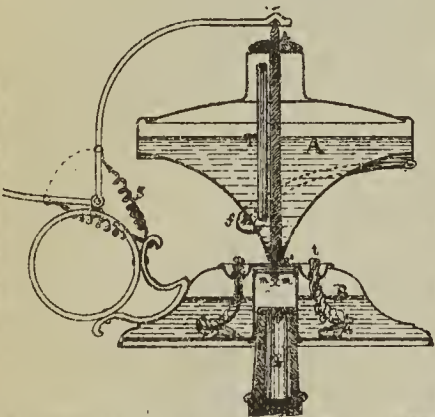
114,787. R. B. FITTS.
Carbureting Air.



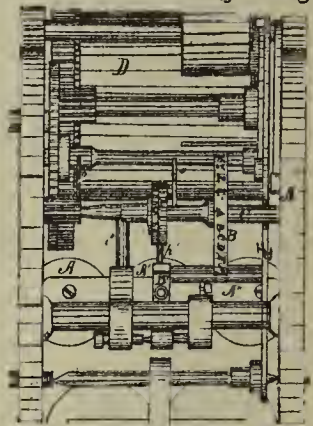
FOOTE & RANDALL.
114,792. Printing-Telegraph



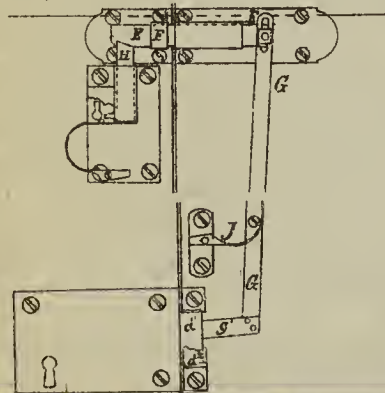
114,781. P. ELEY.
Spinning-Tops



T. M. FOOTE & CHARLES A. RANDALL
114,793. Printing-Telegraphs.



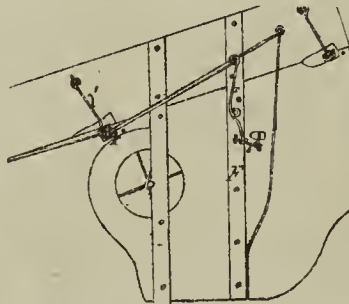
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Door-Bolts.



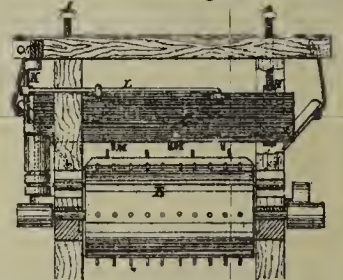
114,788. B. G. FITZHUGH.
Cooking-Stoves.



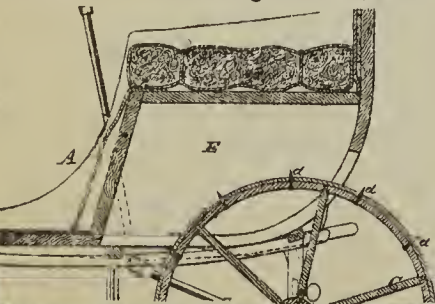
114,789. P. FLICKINGER.
Grain-Separators.



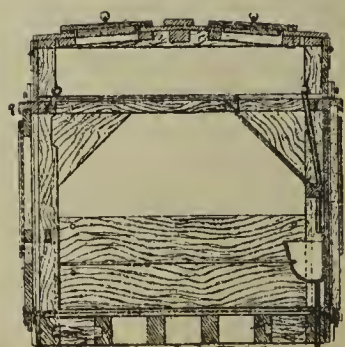
JOHN FOREMAN.
114,794. Thrashing-Machines.



114,783. WILLIAM ERD.
Sleigh-Velocipedes

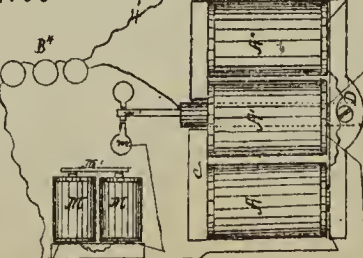


114,795. G. W. FOX.
Stock-Cars.



114,784. WILLIAM P. FENNELL.
COMPOUNDS FOR CURE OF CHILLS

FOOTE & RANDALL
114,790 Printing-Telegraph



114,796.

N. FREY.
Wagon-Springs.



114,797. E. M. GEORGE.

Car-Couplings.



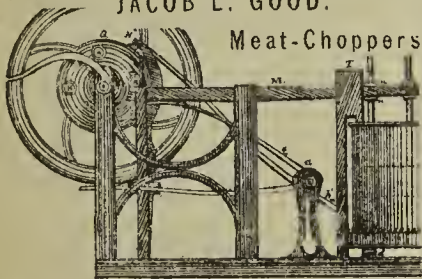
114,798. LEANDER C. GIFFORD.

COMPOUNDS FOR PRESERVING
FRUIT-TREES.

114,799.

JACOB L. GOOD.

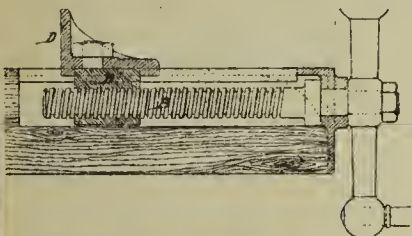
Meat-Choppers



WILLIAM H. GOODCHILD.

114,800.

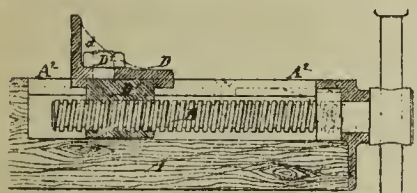
Joiners' Clamps.



WILLIAM H. GOODCHILD.

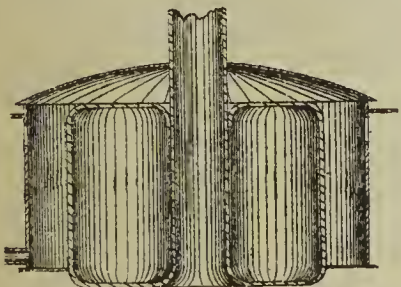
114,801.

Joiners Clamps.



J. GRACIE.

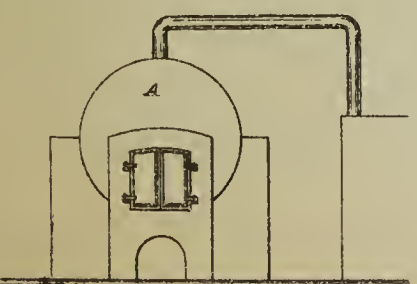
114,802. Stills for Hydrocarbons.



J. GRACIE.

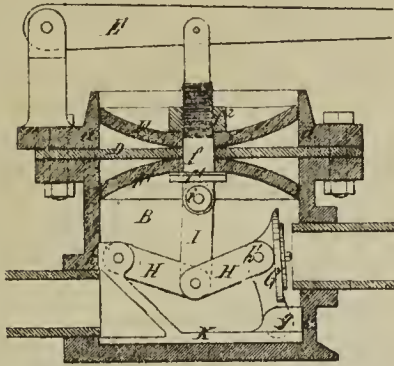
114,803.

Stills for Oil.



JOSEPH GUILD.

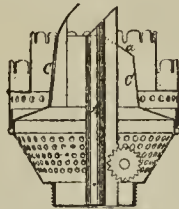
114,804. Automatic Water-Valves.



E. J. HALE.

114,805.

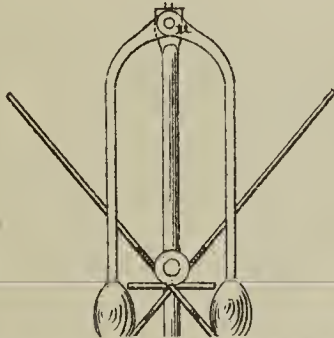
Lamp-Burners.



E. R. HALL & D. A. KEYES.

114,806

Stove-Pipe Dampers.



114,807.

E. C. HANCOCK.

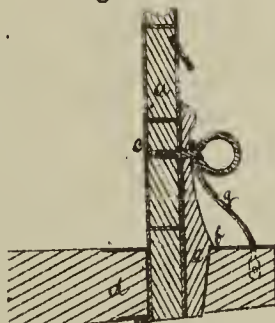
Projectiles.



J. HARDING.

Wagon-Standards.

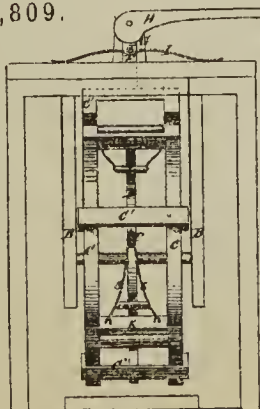
114,808.



D. HARRINGTON.

Polishing, and Glassing Leather.

114,809.



JAMES HARRISON.
114,810.

114,811.

JAMES HARRISON.

Signs.



D. F. HARTMAN.

114,812.

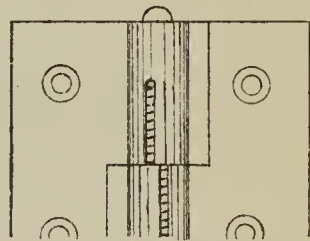
Spring-Guards



D. B. HAWKES.

114,813

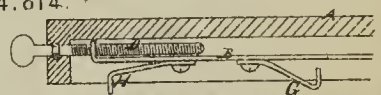
Spring-Hinges.



E. HEATH.

114,814.

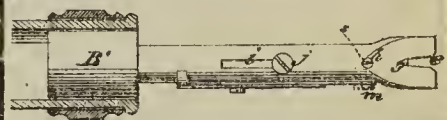
Dovetailing-Machines.



114,815.

E. E. HENDRICK.

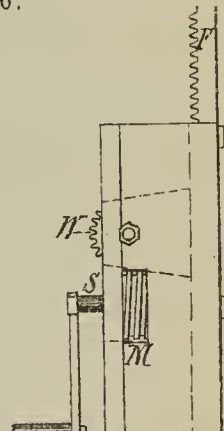
Needle-Cases, and Rippers.



DAVID HIESTAND.

114,816.

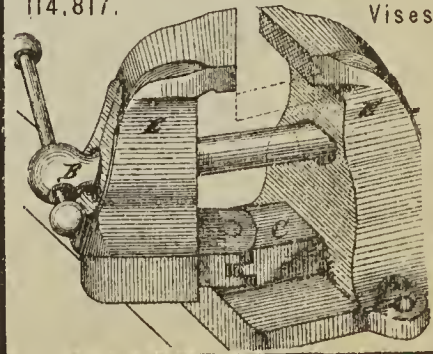
Carriage-Jacks.



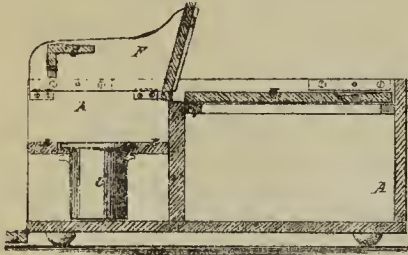
FRANK HIGEL.

114,817.

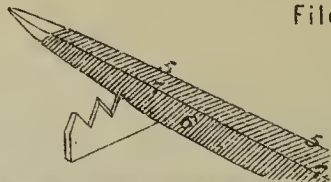
Vises.



114,818. E. HOARE.
Traveling and Toilet Chairs.



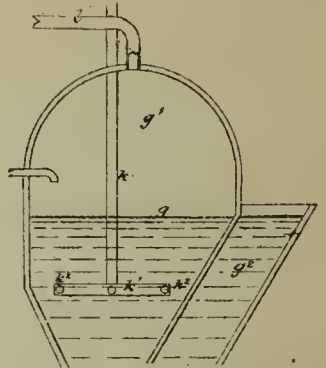
114,824. A. HYLAND.
Files.



W. JOHNSON. 114,825.
Rack-Pulley Shade-Fixtures.

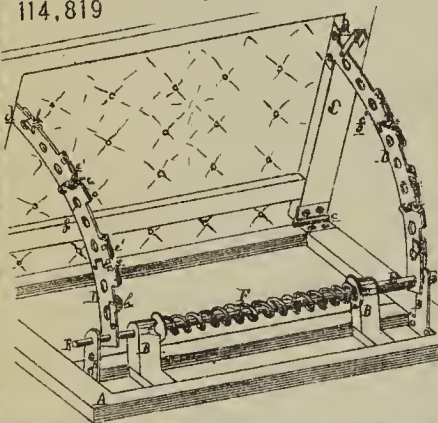


114,831. R. G. LECKIE.
Evaporating and Concentrating



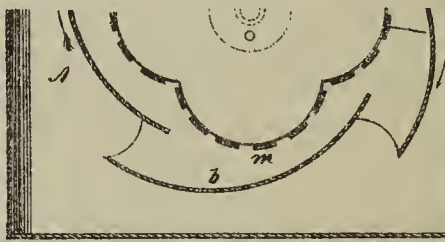
JACOB HOFMANN.
Adjustable Bolsters

114,819



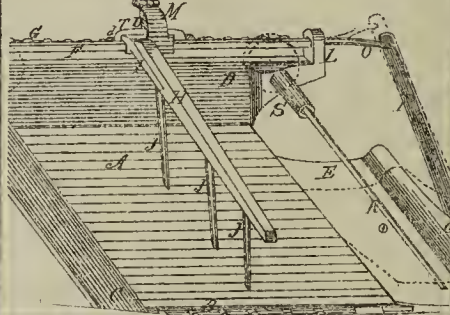
GEORGE F. JORDAN.

114,826. Washing-Machines.



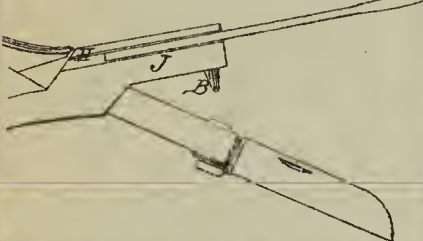
D. A. KELLOGG.

114,827. Harvester-Rakes.



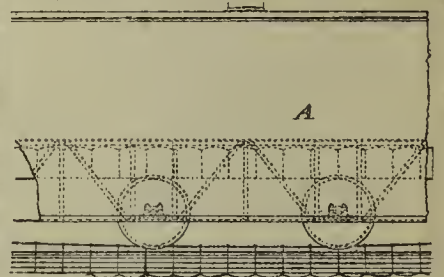
114,820.

H. S. HOLMES & D. WILLIAMS.
Punch, Awl, and Knife.



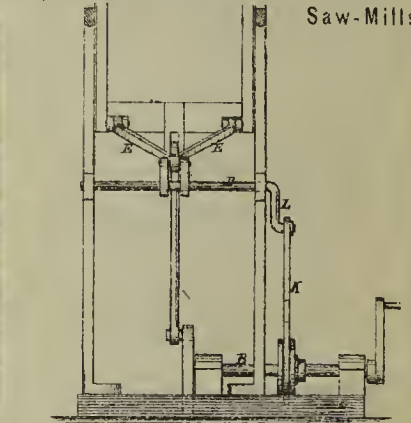
S. LEE.

114,832 Marine-Locomotives.



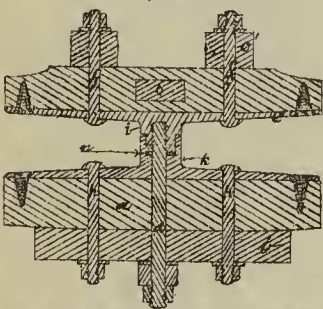
CHARLES E. LEWIS.

114,833. Saw-Mills.



C. G. HOLSTEN.

114,821. Transient-Bolts

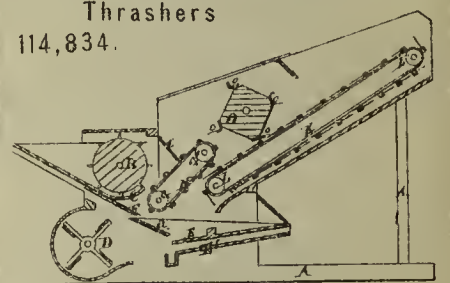


114,828. ROBERT P. KNAPP.
Improvement in Umbrellas.



WILLIAM C. LEYBURN.

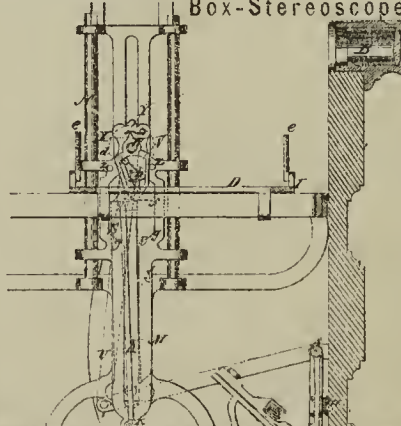
114,834. Thrashers



114,822. H. S. HOXIE.
Plow-Colters.

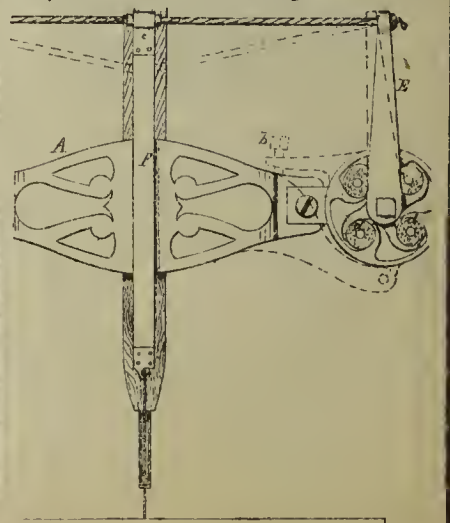


WILLIAM M. KOHL. 114,829
Box-Stereoscopes.



S. G. MASON.

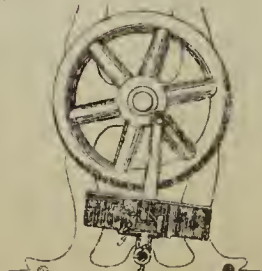
114,835. Scroll-Sawing-Machines.



114,823
THOMAS HUDSON.
Presser-Foot

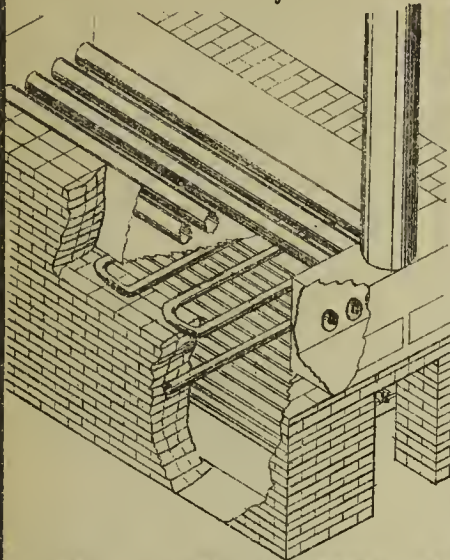


114,830. CHARLES P. LEAVITT.
Treadles.



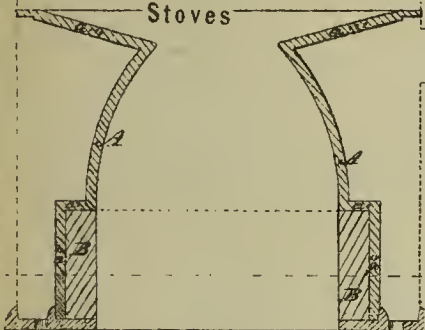
114,836.

GEORGE W. McCAMMON
& D. H. BURRELL
Dairy-Heaters



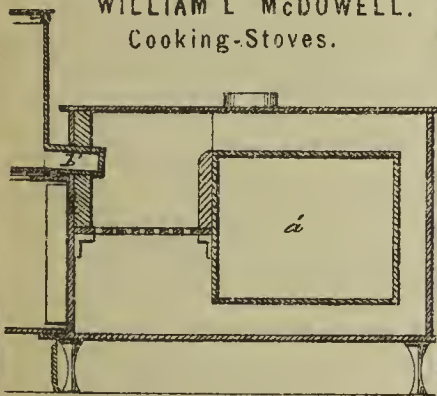
WILLIAM L. McDOWELL. 114,837

Fire-Boxes for h
Stoves

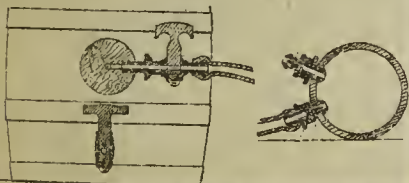


114,838.

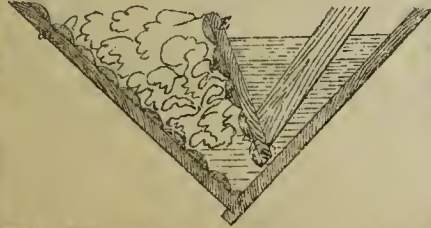
WILLIAM L. McDOWELL.
Cooking-Stoves.



Aerating Beer-Barrels.
114,839 JOSEPH METZGER.



Washing-Machines.
114,840. L. R. MILLS.



JOHN M. MITCHELL 114,841

Keepers for Bolts.



JOHN H. MORSE.

Sash-Holders.

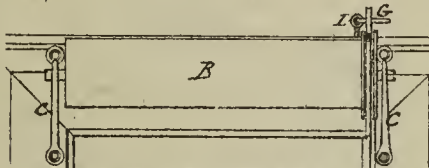
114,842.



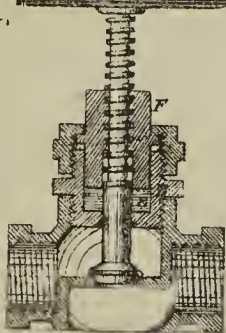
B. MOSER.

114,843.

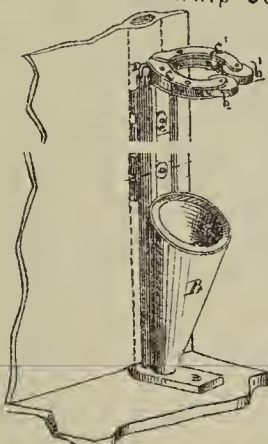
Curtain-Fixtures.



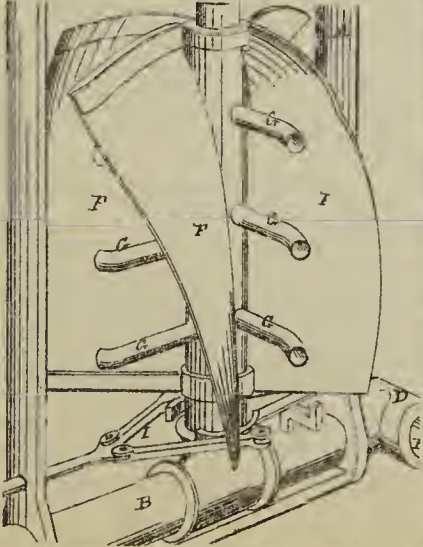
M. MURPHY. Globe-Valves.
114,844.



114,845. JAMES NELLIS.
Whip-Sockets.



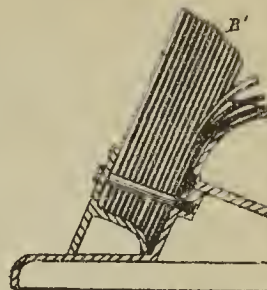
MICHAEL O'CONNOR.
114,846. Spark-Arresters.



JOHN W. OSBORNE.

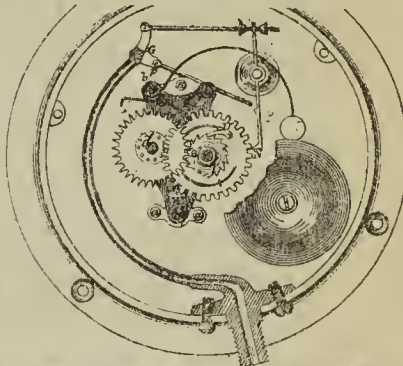
114,847.

Foot-Brushes



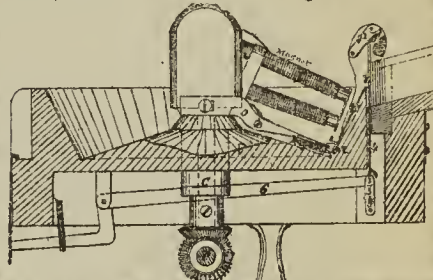
JOSIAH S. PHILLIPS.
PREVENTING THE
LOSS OF MERCURY.
114,848.

SHORB, PILLSBURY & 114,849
Hydraulic-Pressure Alarms.



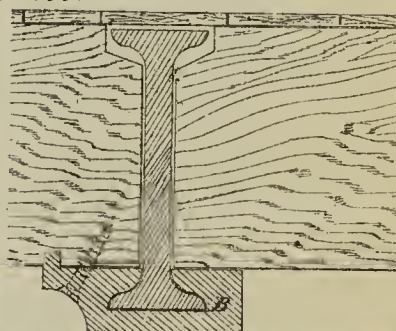
THOMAS J. PLUNKET

114,850. Type-Setting Machines.



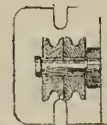
J. PRESTON.

114,851. Girder-Rests for Timbers.

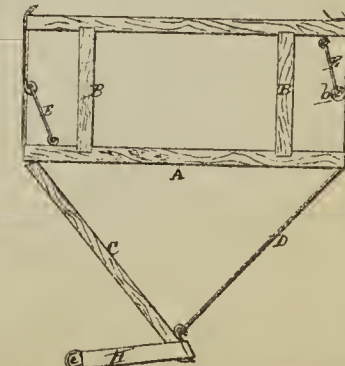


114,852. L. C. PRINDLE.

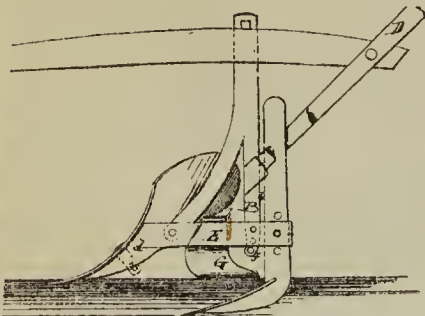
Curtain-Fixtures



F. W. RANDALL.
114,853. Securing Horse-Powers.



114,855.

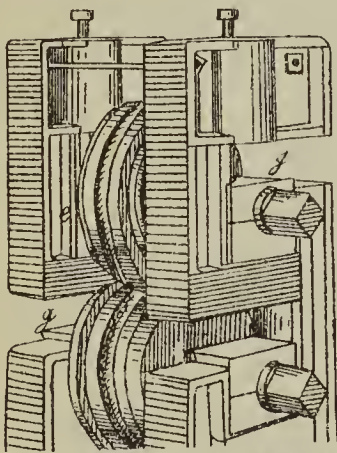
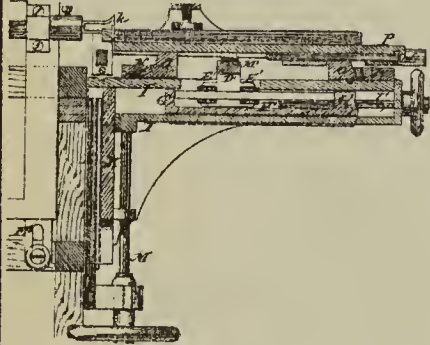
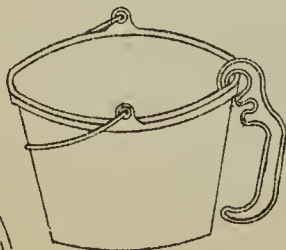
T. H. REYNOLDS.
Plows.114,854, ABRAM REESE. "FIX" FOR
PUDDLING AND OTHER FURNACES.RICHMOND & CARPENTER.
Finger-Rings.

114,856.

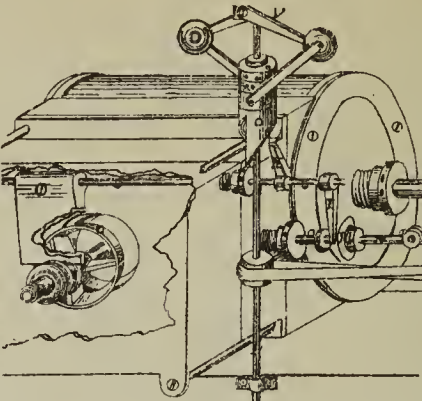
114,857. WILLIAM H. RIDLEY.
Toggle-Pins for Nail-Machines.

JOHN RIGBY.

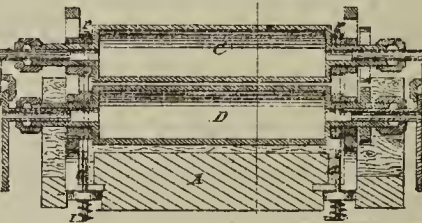
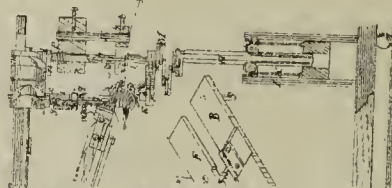
114,858 Housings for Rolls

114,859. JOHN B. RITCHEY.
Dovetailing-Machines.114,860. H. T. ROBBINS.
Kettle-Handles.

114,861.

S. W. ROBINSON.
Cut-Off Valve-Gears.

114,863.

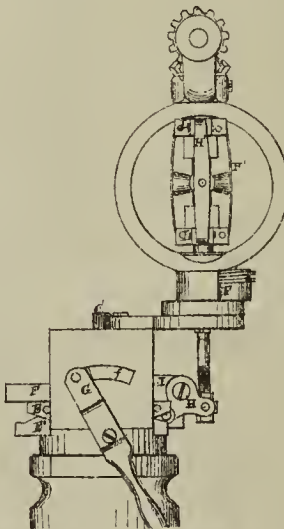
P. RUNDQUIST
Steam-Mangles.*M. M. Rosinsky. Sewing Shoes*
114,862.

Metal-Coated Plate-Holders. 114,864.

JAMES F. RYDER.

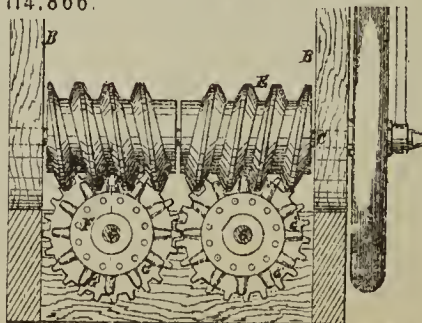


ROBERT SANDERSON.

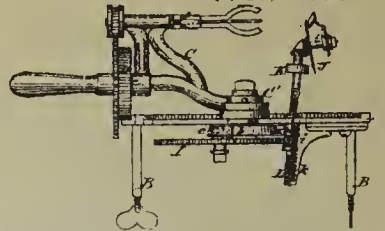
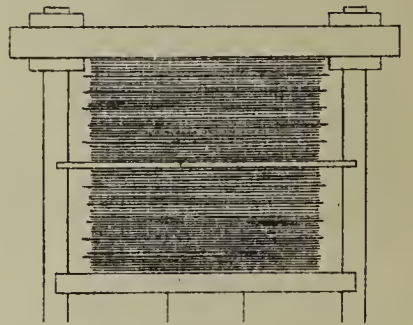
Steam-Valves and Governors.
114,865

J. SCHLEY.

114,866. Applying Motive-Power.

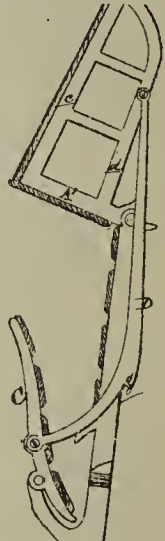


114,867.

R. P. SCOTT.
Fruit-Parers.E. A. SEELEY. 114,868.
Manufacture of Paper-Boards.

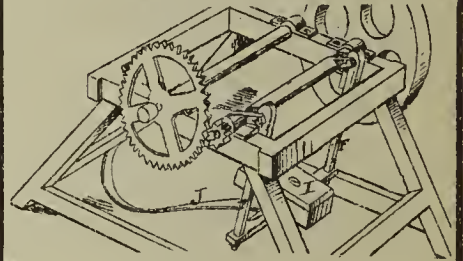
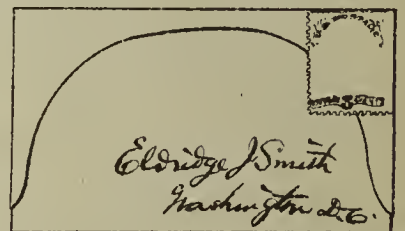
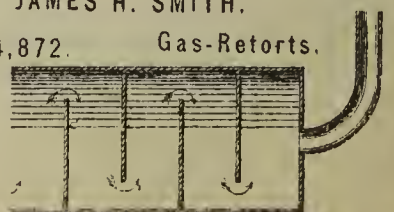
H. G. SELLMAN.

114,869. School-Desks and Seats.



ABRAM SHEAR.

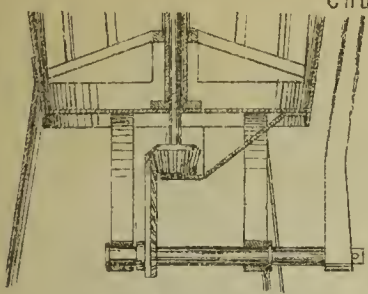
114,870. Mechanical Movements.

114,871. E. J. SMITH.
Envelopes.JAMES H. SMITH.
114,872. Gas-Retorts.

114,873

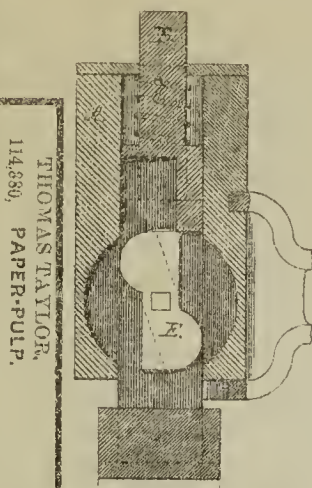
B. H. STEELE.

Churns.



114,879. C. G. TAFT, Jr.

Hand-Stamps.

THOMAS TAYLOR,
114,880. PAPER-PULP.

114,885.

I. N. TOPLIFF

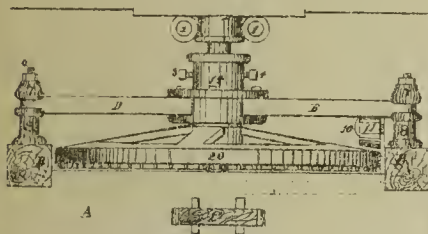
Carriage-Bow Covers and Slat-Irons.



H. B. STEVENS.

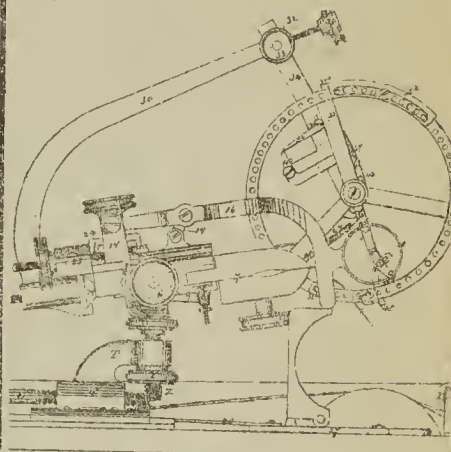
114,874

Horse-Powers.



JAMES TREGURTHA.

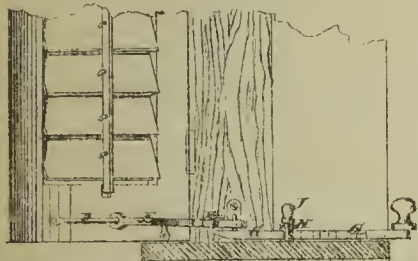
114,886. Paper-Ruling Machines.



F. STRATTNER.

114,875

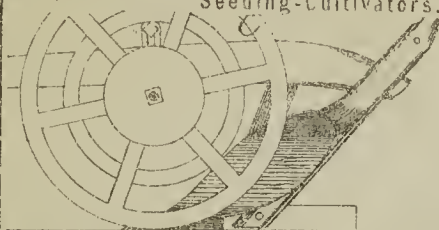
Shutter-Workers.



N. S. THOMPSON.

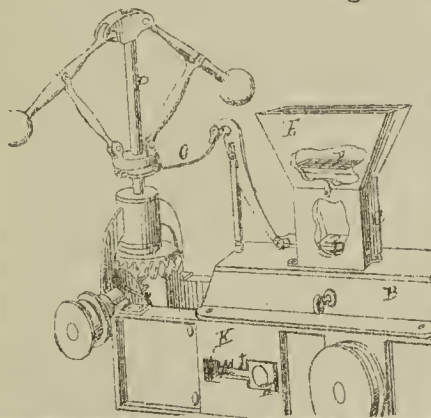
114,881.

Seeding-Cultivators.



JAMES F. TIBBLE. 114,882.

Machines for Bruising Malt.



J. R. TUNNICLIFF.

114,887.

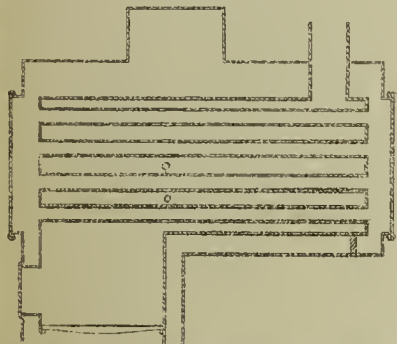
Wrapper-Cutters.



DANIEL SULLIVAN.

114,876.

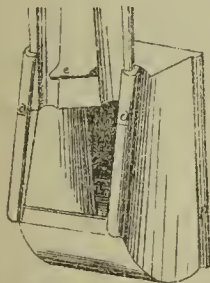
Steam-Boilers.



JOHN B. SUTHERLAND.

114,877.

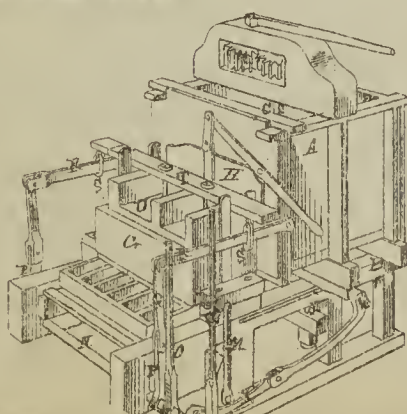
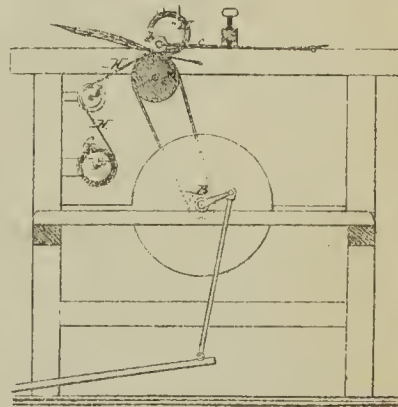
Railway Axle-Boxes.

114,883.
W. TOEPFER.

Smoke-Stacks.



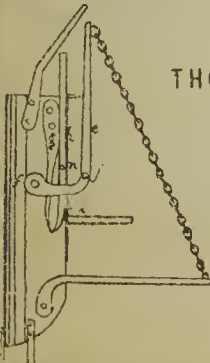
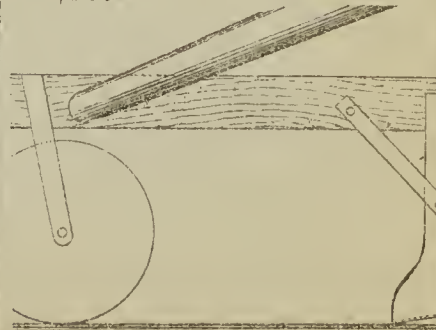
114,884.

J. V. TOMPKINS.
Brick-Machines114,888 J. R. TUNNICLIFF.
Stripping and Booking Tobacco.

E. B. TURNIPSEED.

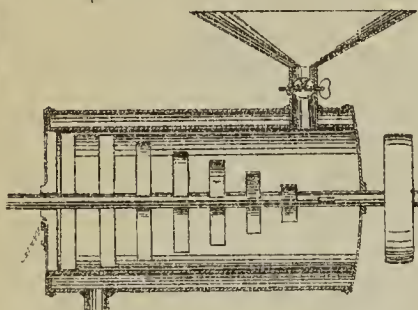
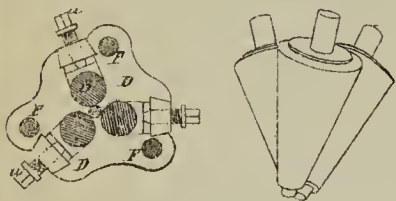
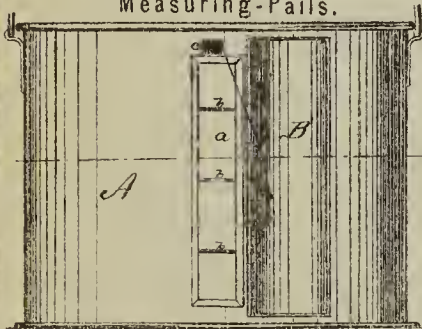
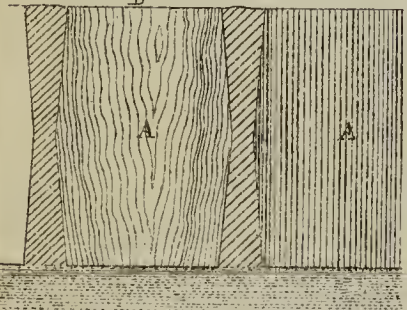
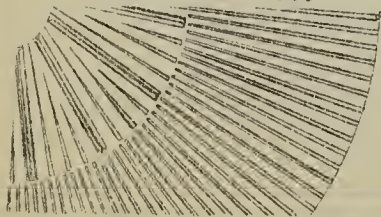
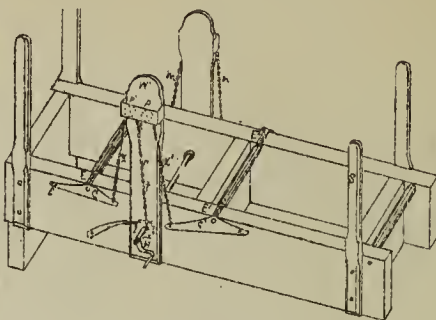
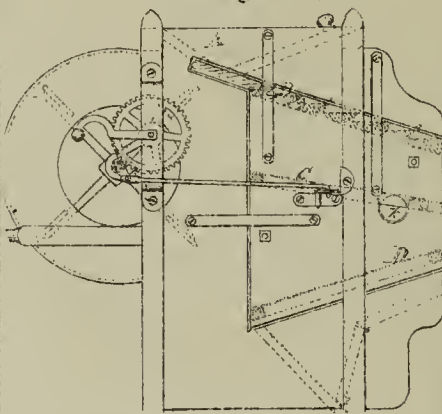
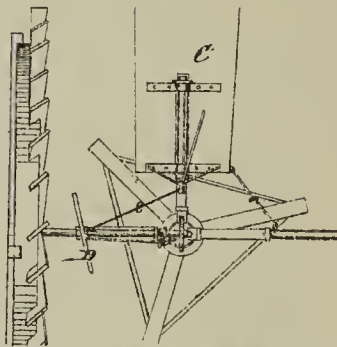
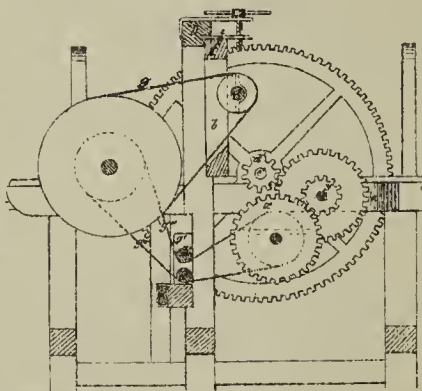
114,889

Cotton-Choppers.

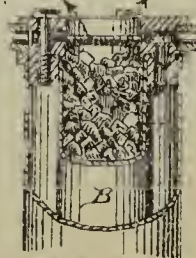


114,878

THOMAS SYMONDS.
Excavators.

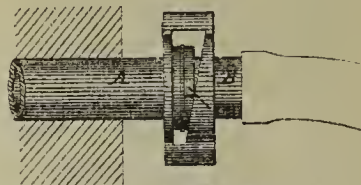
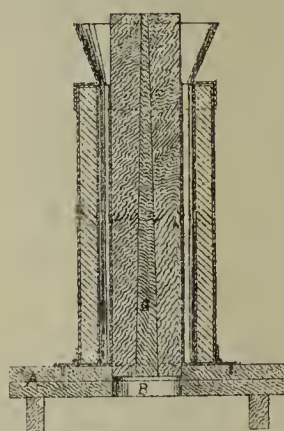
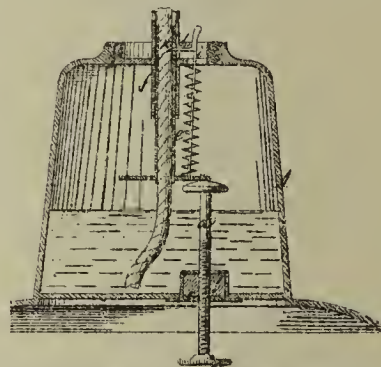
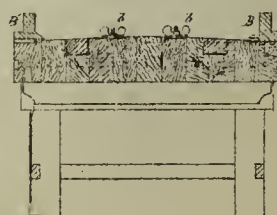
114,890. WILLIAM A. VANCE.
Millstone-Balances.114,891. G. W. WAITT.
Roasted Wheat.WHILE, LEWIS, STRICKLAND &
CADDICK. 114,892.
Apparatus for Rolling Metal.114,893. H. S. WICKHAM.
Pencil-Holders.114,894. JOHN B. WIGHTMAN.
Measuring-Pails.114,895 R. H. WILLET.
Wood-Pavements114,896 JAMES WILSON.
Millstone-Dress114,897. R. B. WOODCOCK.
Lumber-Racks.114,898. P. YOUNG.
Fanning-Mills.114,899. S. M. ABBOTT.
Windmills.114,900. JOSEPH ALBRIGHT.
Molding-Machines.114,901. DAVID ALONZO ALDEN.
PREPARATION OF TOBACCO FOR
CHEWING.V. D. ANDERSON
Steam-Radiators.

114,902.

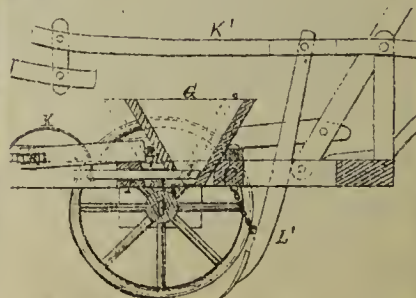


114,903. V. D. ANDERSON.

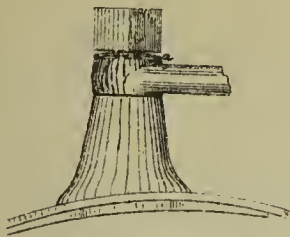
Pipe-Couplings.

114,904.
THOS. J. BARRON.
WATER AND DRAIN-PIPES.114,905. THOMAS J. BARRON.
Improvement in Molds.HENRY BEEBE. 114,906.
Wick-Regulators for Lamps.114,907.
JOHN W. BOUGHTON & E. C. HUSSEY
Tables for Making Wainscoting.WILLIAM C. BOWMAN.
Corn-Planters.

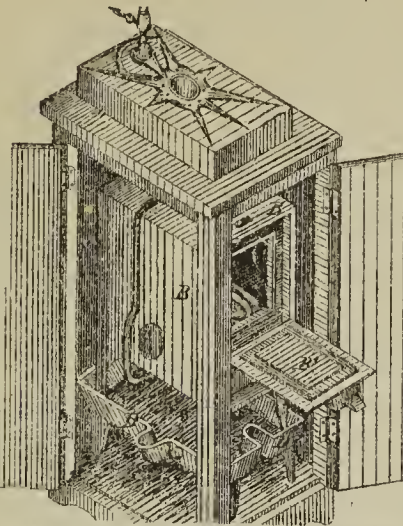
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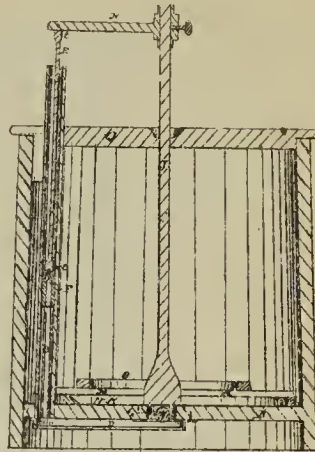
114,909. F. A. BRADLEY.
Top-Props for Carriages.



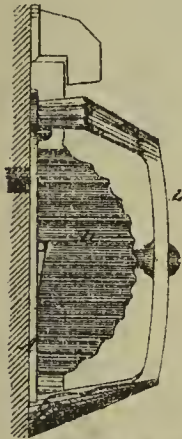
114,916. JOHN W. CAMPBELL, Sr.
Coolers for Liquids.



114,922. S. S. CASE. Churns.

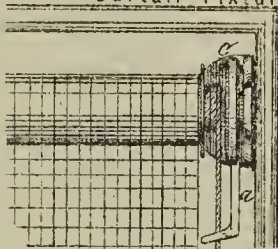


114,910. E. K. BRECKENRIDGE.
Door-Latches.



114,911. DAVID BROOKS.
GALVANIC BATTERIES.

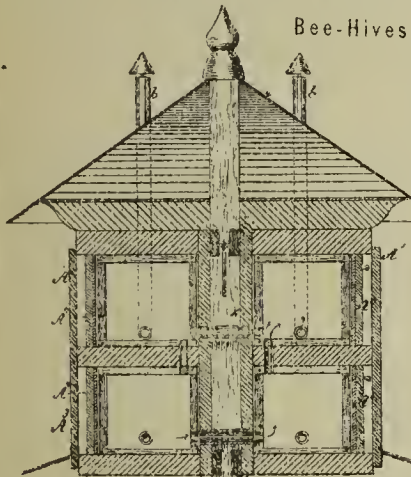
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Curtain-Fixtures.



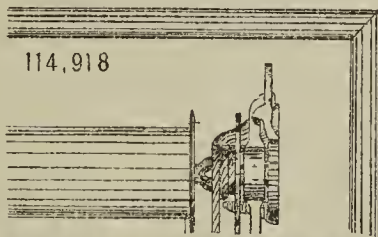
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Bed and Seat Springs.



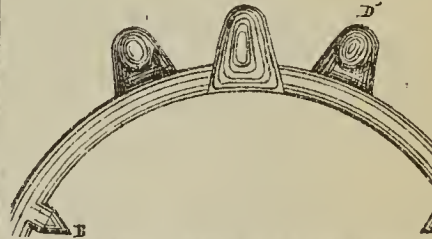
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Bee-Hives.



114,918

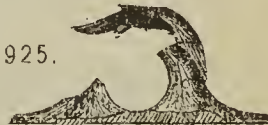


114,924. S. CHESTER.
Telegraph-Insulators

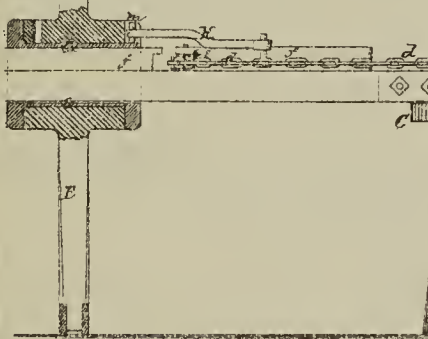


F. L. CHURCHILL & R. C. BEACH
Breeching-Holders for Harness.

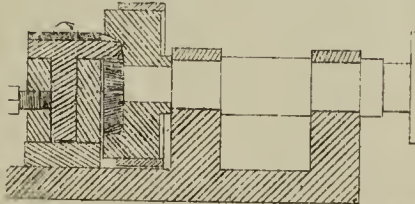
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114,919. F. L. CARNELL.
Wheels for Tempering Clay.



114,920. A. H. CARYL.
Pointing Horseshoe-Nails.

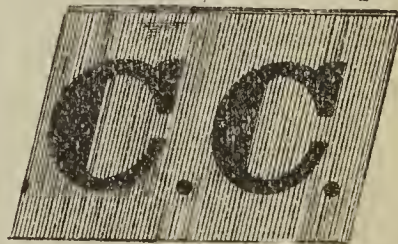


GEORGE W. COLBORN.

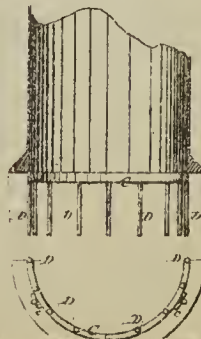
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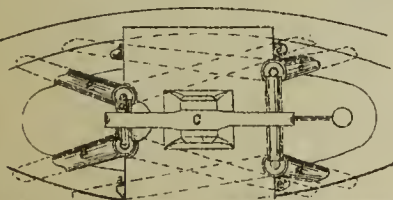
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Metallic-Signs.



114,928. A. C. CORSE.
Base-Burning Stoves.

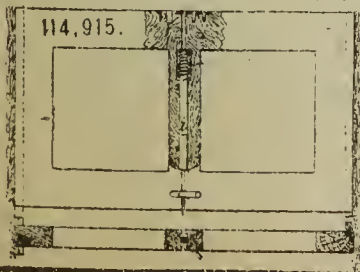


P. BURKE.
114,914. Propulsion of Vessels.

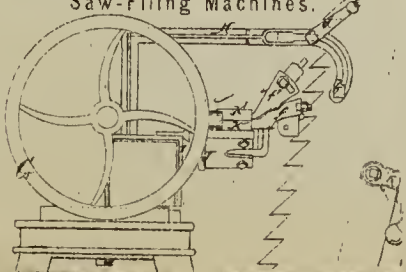


A. G. BUZBY. Window-Sashes.

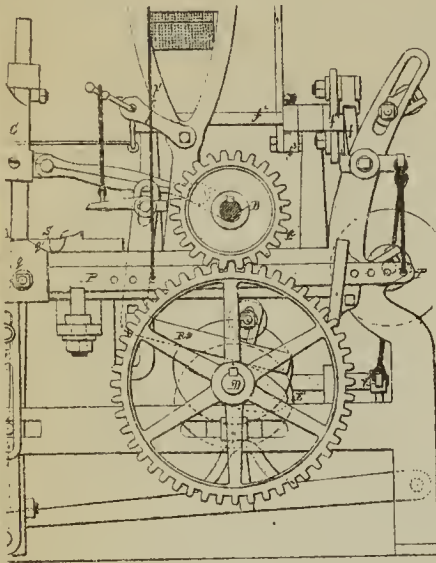
114,915.



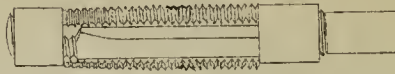
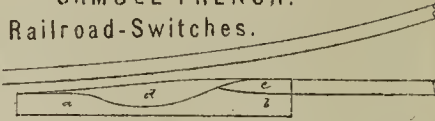
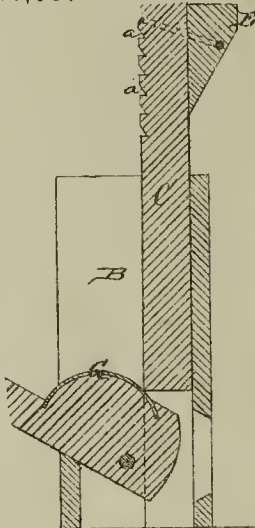
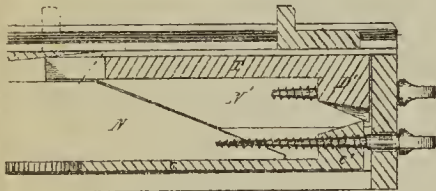
114,921. CHARLES P. CASE.
Saw-Filing Machines.



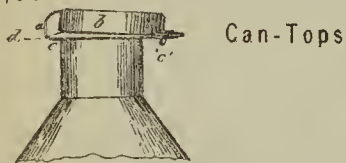
114,929. J. F. CROWLEY. Looms.



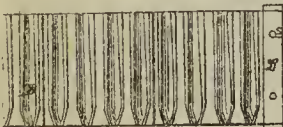
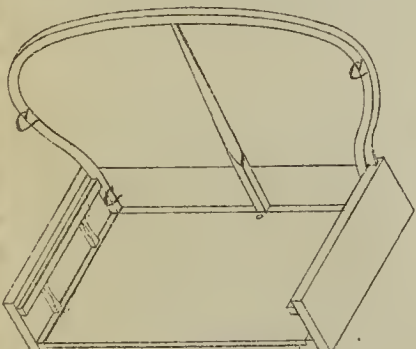
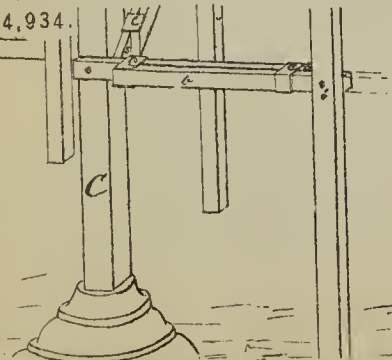
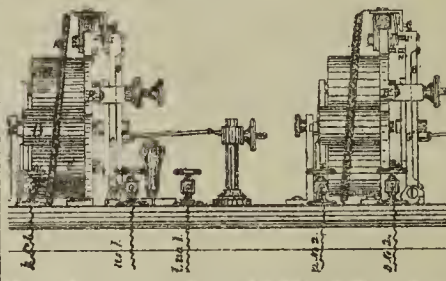
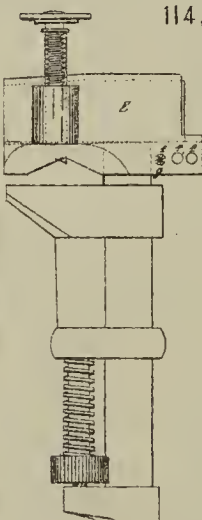
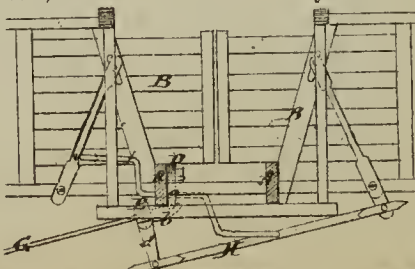
114,935

GEORGE H. FOX.
Screw-Taps.SAMUEL FRENCH. 114,936.
Railroad-Switches.A. R. GILES.
114,937 Wagon-Jacks.J. W. CURRIER.
114,930. Bread-Slicers.

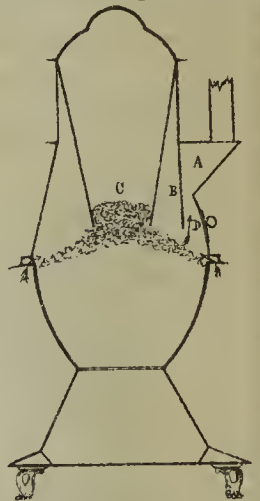
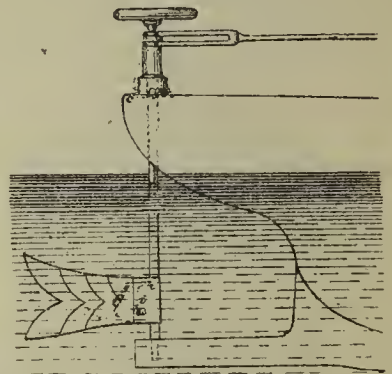
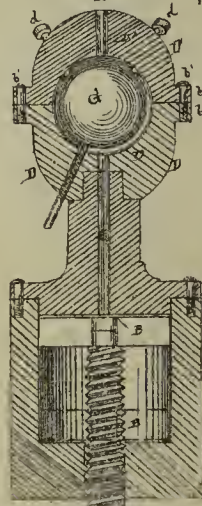
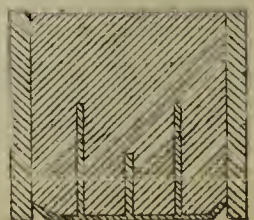
114,931. CHARLES E. DAYTON.



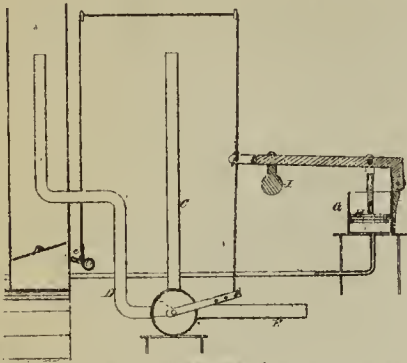
Can-Tops

N. DUBRUL. Cigar-Molds.
114,932.114,933 W. FISHER.
Dashers for Wheeled Vehicles.M. FLANDERS.
114,934. Clothes-Driers.ELISHA GRAY.
114,938. Telegraph Repeaters.114,939.
D. HARRIGAN.
Pipe-Cutters.S. H. HEATWOLE.
114,940. Railway-Gates.114,941. ALLEN HISEY.
IMPROVEMENT IN TANNING
COMPOUNDS.R. B. HUGUNIN
Sash-Holders

114,942.

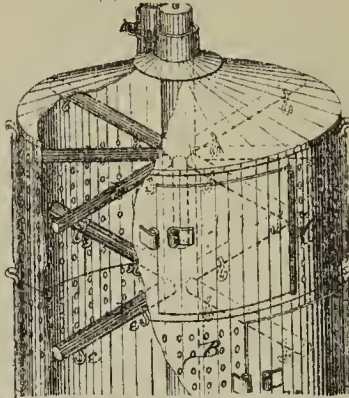
114,943. Z. HUNT.
Base-Burning Stoves.114,944. ROBERT HUNTER.
Flexible Propellers.114,945. JOHN W. HYATT, Jr.
Knife-Handles.114,946. JAMES J. JOHNSTON.
Artificial Stone for Buildings.

114,965.

WILLIAM E. PEARSON.
Boiler-Furnace Draft-Regulators.

A. ROBERTSON. 114,972.

Preserving and Smoking Meats.

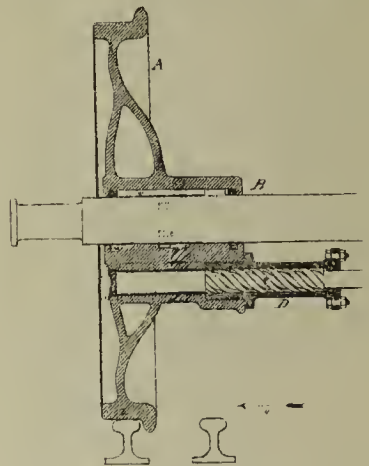


114,978.

JOHN CARRINGTON SELLARS.
METAL-FOUNDERS' BLACKING.

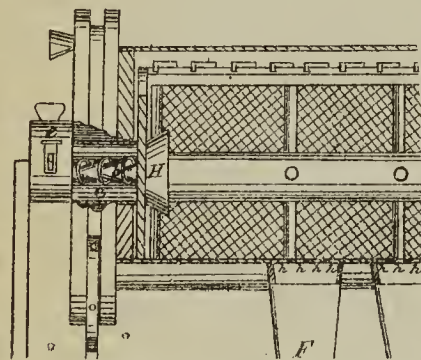
GEORGE SEWELL. 114,979.

Self-Adjusting Car-Wheel Gears.



114,966. D. N. M. PEREGOY

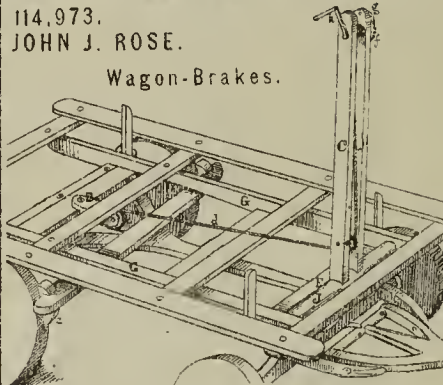
Flour-Bolts.



114,973.

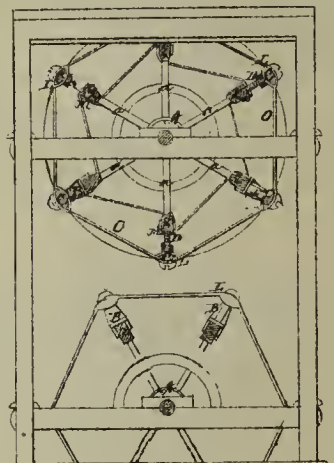
JOHN J. ROSE.

Wagon-Brakes.



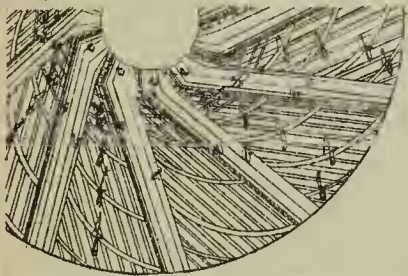
DAVID SHAMP.

114,980. Flour-Bolting Reels.



D. N. M. PEREGOY.

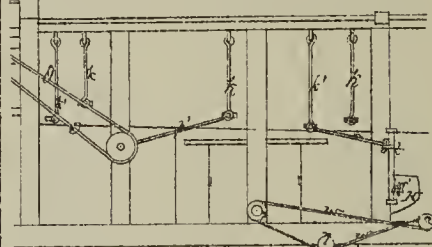
114,967. Millstone-Dress.



114,974

L. C. ROYER.

Grain-Separators.



M. RUFÉ.

114,975. Skinning-Knives

114,968, ISAAC REHN. COPYING
COLORED AND DEFECTIVE DRAWINGS.

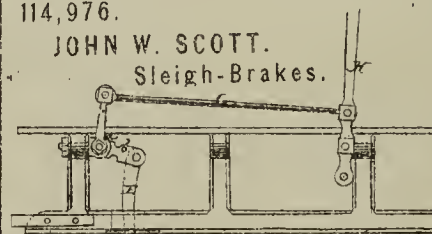
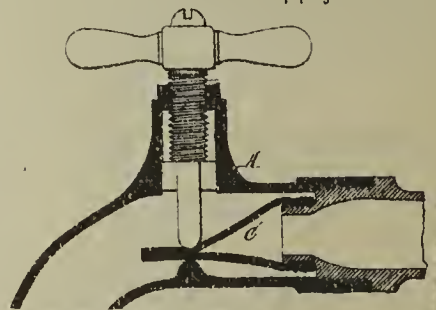
GEORGE H. REYNOLDS.

Pistons and Piston-Packings
114,969.

114,976.

JOHN W. SCOTT.

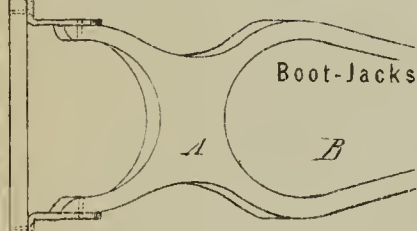
Sleigh-Brakes.

114,981. E. F. SHOENBERGER.
Faucets or Supply-Cocks.

114,970.

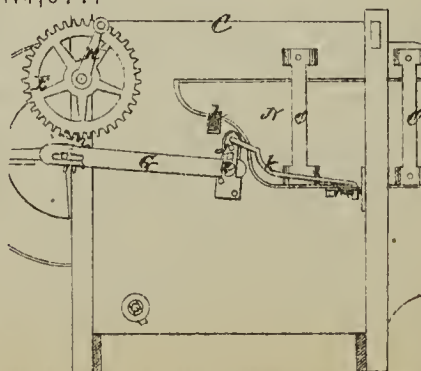
M. A. RICHARDSON.

Boot-Jacks.

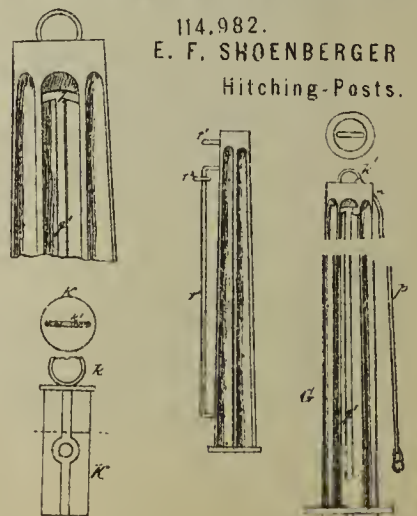


Fanning-Mills.

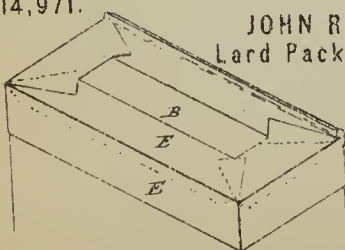
114,977. H. H. SEELEY.



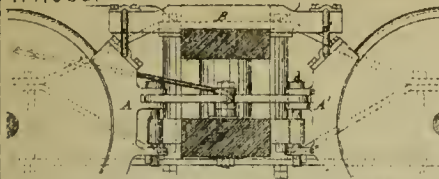
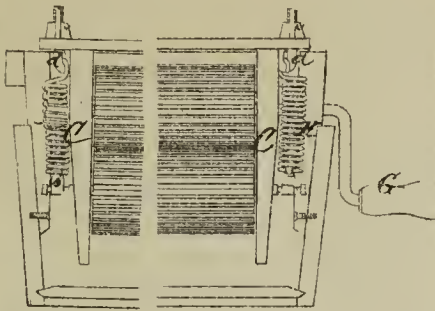
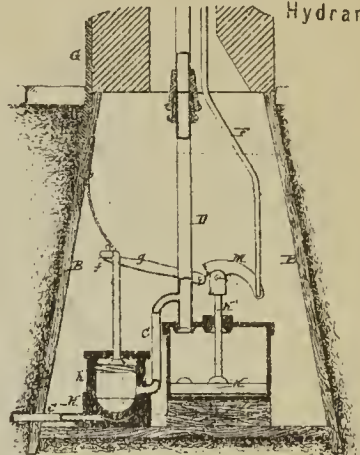
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E. F. SHOENBERGER
Hitching-Posts.

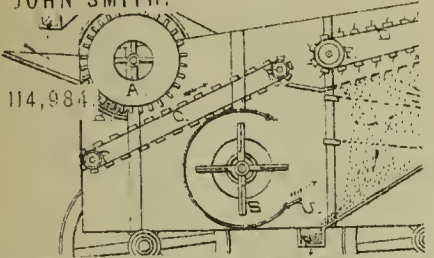
114,971.

JOHN RING
Lard Packages.

114,983. C. A. SMITH. Car-Brakes

JOHN TABER. 114,990
Washing and Wringing-Machines.114,996 JAMES WALSH.
Hydrants.

JOHN SMITH. Threshing-Machines

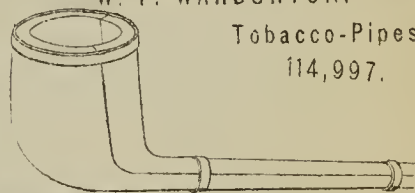
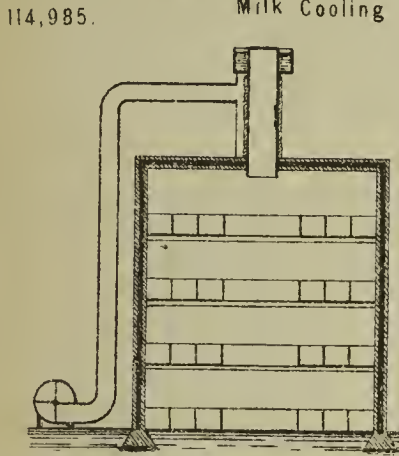


114,991 SAMUEL I. THOMPSON.

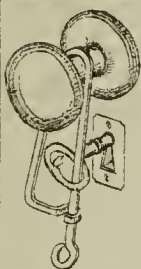
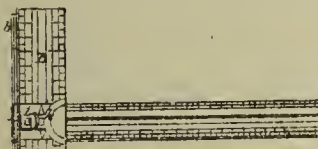
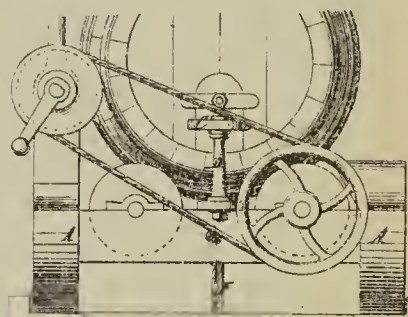
Nut-Locks.



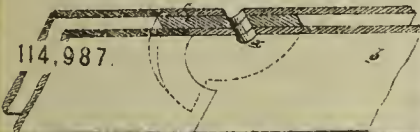
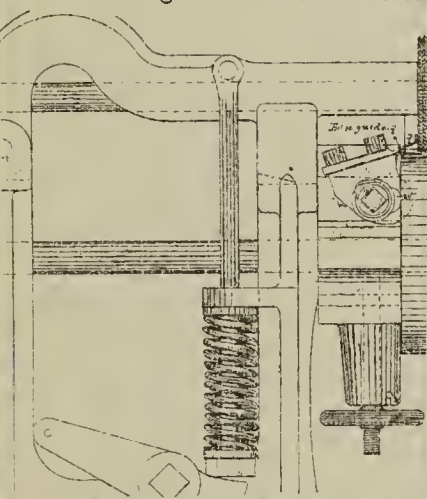
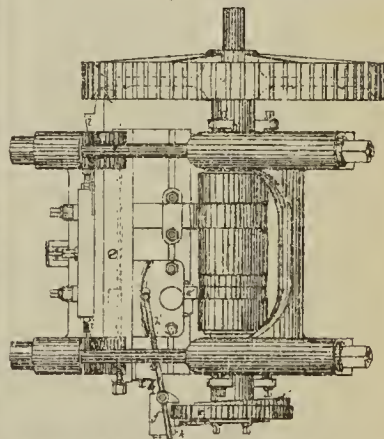
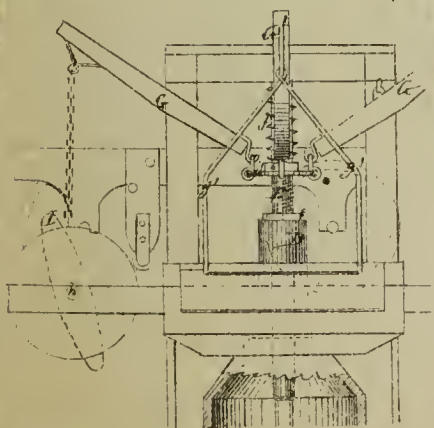
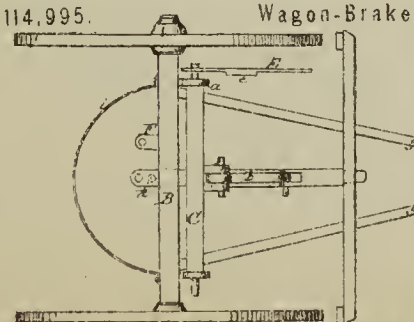
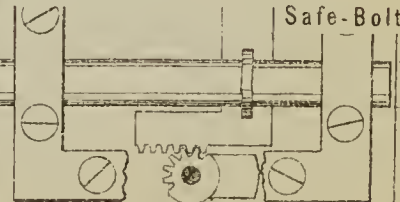
W. F. WARBURTON.

Tobacco-Pipes.
114,997.D. E. SOMES & F. C. SOMES.
Milk Cooling

L. TOBEY.

Key-Fasteners.
114,992.114,998. M. WARNE.
Ice-Creepers.114,986. K. STEEN.
Adjustable Squares.WILLIAM TYLER. 114,993
Dough-Kneaders.114,999. A. WARTH.
Machines for Pitching Casks

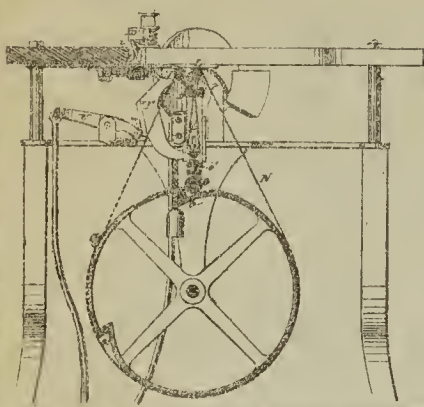
Rule Joints D. H. STEPHENS.

HENRY S. VROOMAN.
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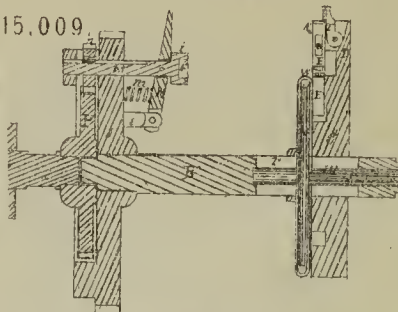
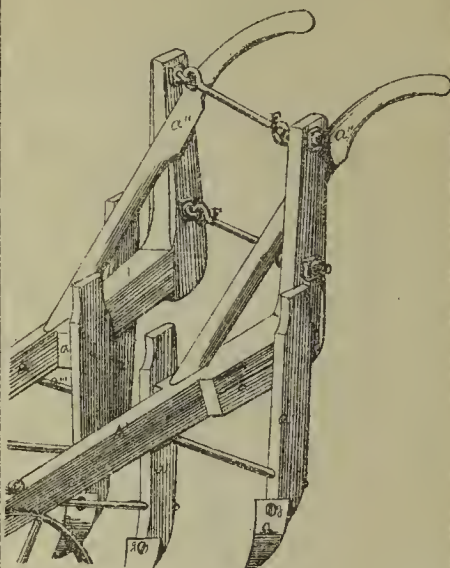
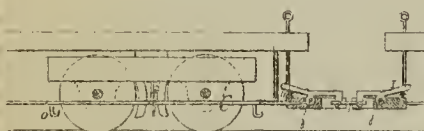
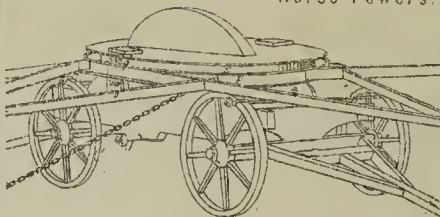
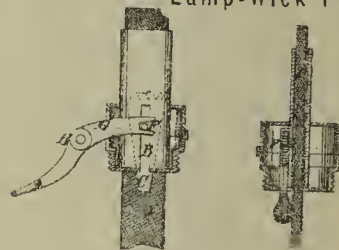
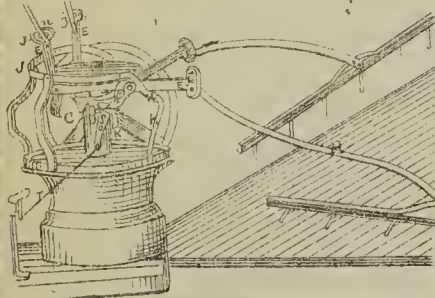
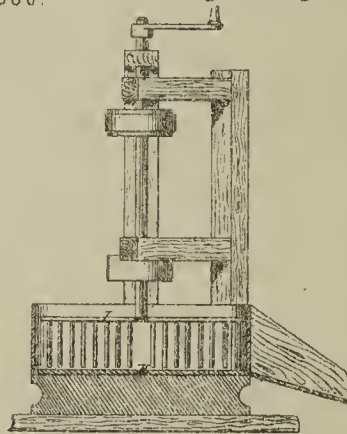
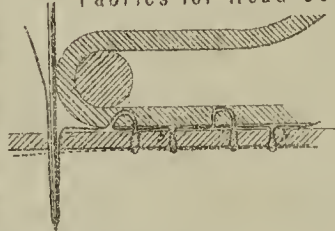
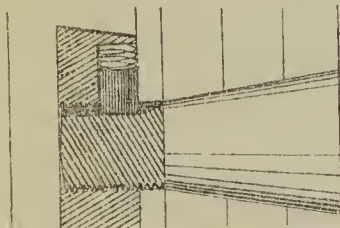
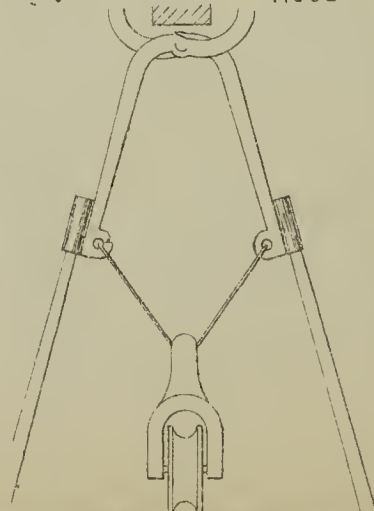
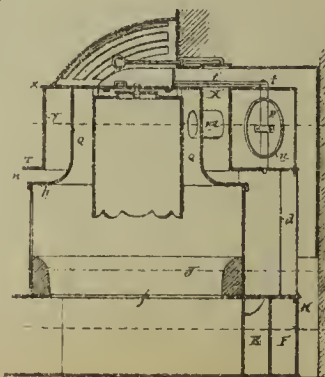
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JOHN WETTSTEIN.

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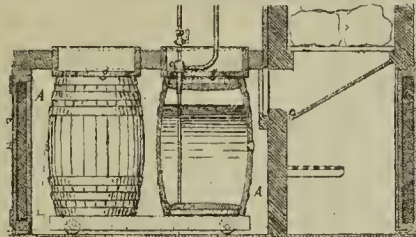
ILLUSTRATIONS OF PATENTS
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ADAMS AND MAYHEW,
FOLDING SETTEES.

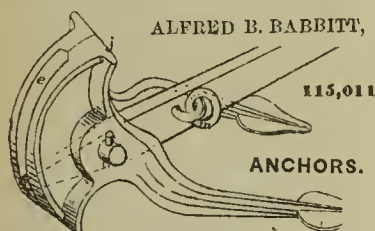
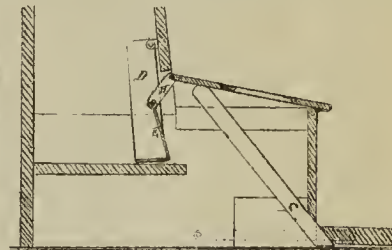
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115,018 BERGNER AND ZEISSE.
COOLING APPARATUS FOR BEER.



115,024 ROBERT ALEX CANNELL.
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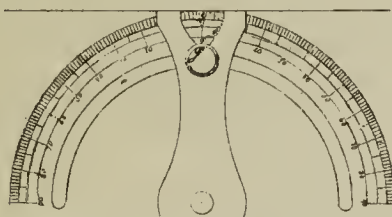
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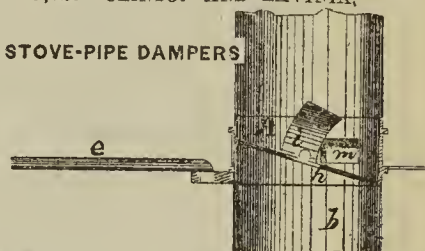
115,012 BENJAMIN F. BAER,
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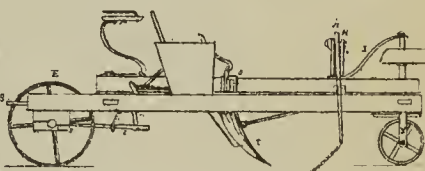
115,019 EDWARD BOSTOCK,
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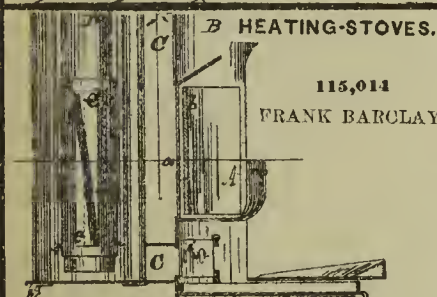
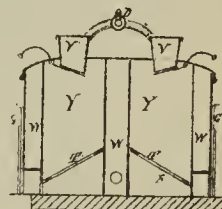
115,025 CLINTON AND LAVINIA,
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115,026 ROBERT J. COLVIN,
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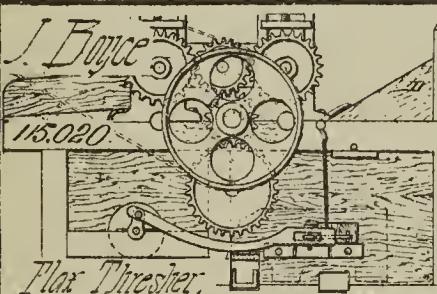
115,027 JOSEPH H. CONNELLY
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B HEATING-STOVES.

115,014

FRANK BAROLAY,



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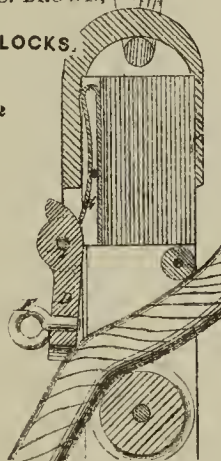
Flax Thresher.

115,021 PARDON BOYDEN.
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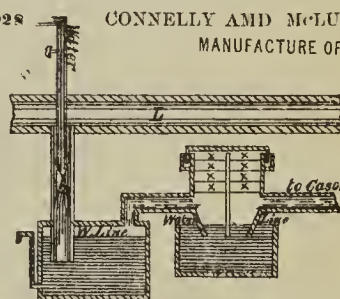


GEORGE C. BROWN,
PULLEY-BLOCKS.

115,022

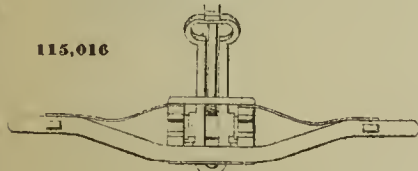


115,028 CONNELLY AND McLURE,
MANUFACTURE OF GAS

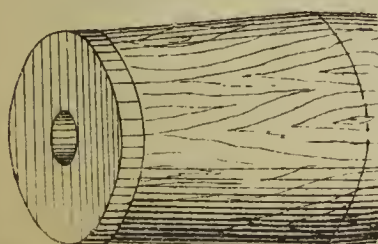


WILLIAM BEERS,
WAGON-TONGUE SUPPORTS.

115,016

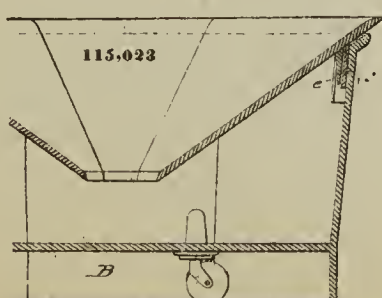


115,017 AUGUST BENNINGHOFFEN,
SEASONING WAGON-HUBS.

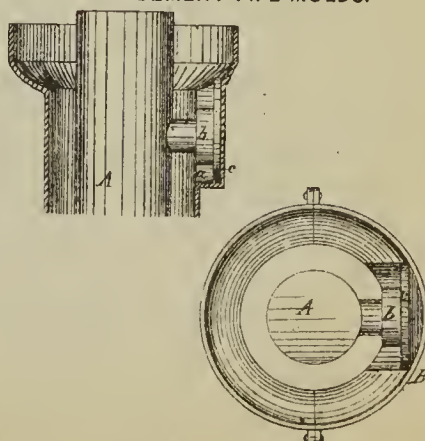


SPITTOONS. SAMUEL G. CABELL,

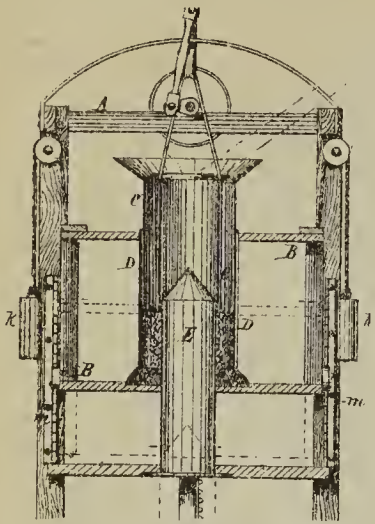
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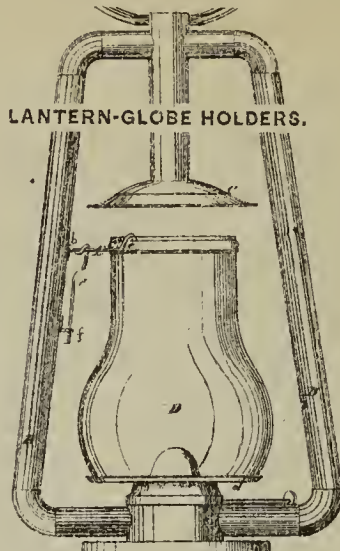
115,029 DAVID COPELAND,
CEMENT-PIPE MOLDS.



115,030 DAVID COPELAND,
MOLDING DRAIN AND SEWER PIPES.



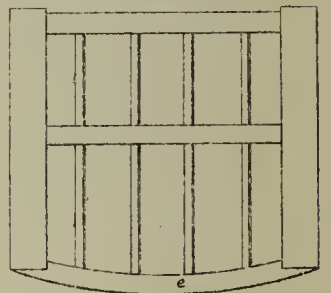
115,035 DENNIS AND KISTLER.



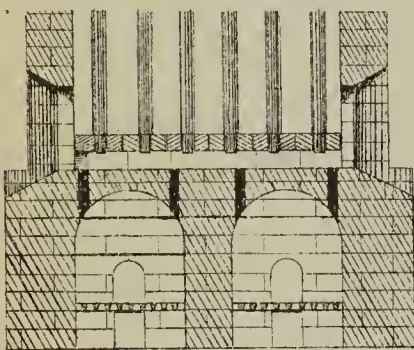
115,941 THOMAS DUNCAN INKSTANDS.



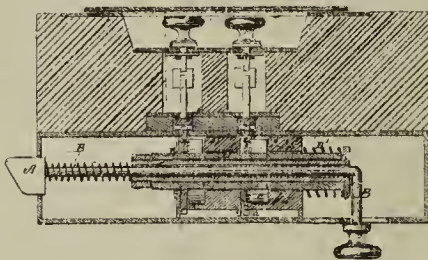
115,042 ALBERT E. PATON.
REVERSIBLE CRIBS.



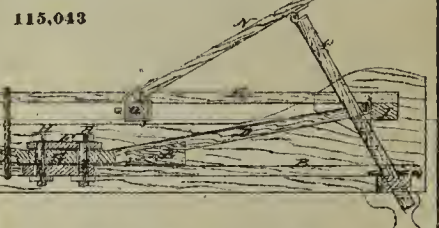
115,031 FRANCIS W. CROSBY,
ROASTING METALLIC ORES.



115,037 JOHN W. H. DOUBLER.
COMBINATION LOCK



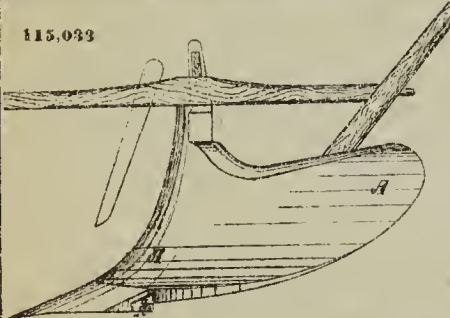
MANASSEH W. FARBER.
SPRINGS FOR BED-BOTTOMS.



115,032 CHARLES P. CROSSMAN,
MEDICINES FOR COUGHS, COLDS.

DAVID CULVER. CULTIVATOR-PLOWS.

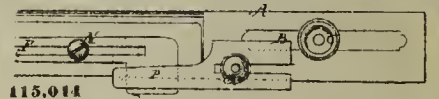
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115,039

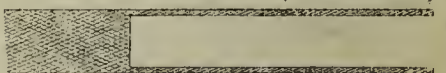
DOYLE AND BEHEL,
DOOR-STOPS.

THOMAS MANCHESTER FARRAND.
TUCK-LAYING DEVICES FOR SEWING-MACHINES.

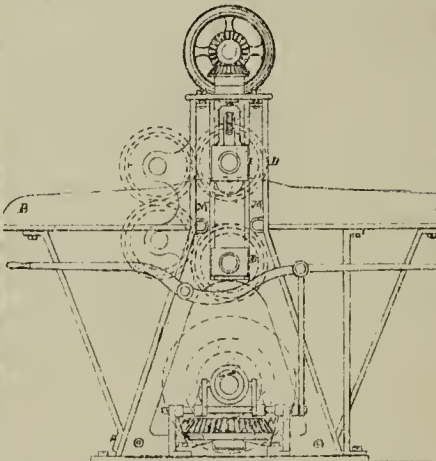


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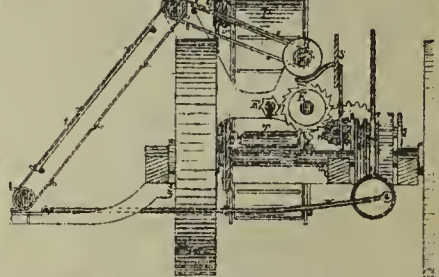
115,045 JOHN FARRELL, LAMP-WICKS.



115,039 ROBERT DUFF,
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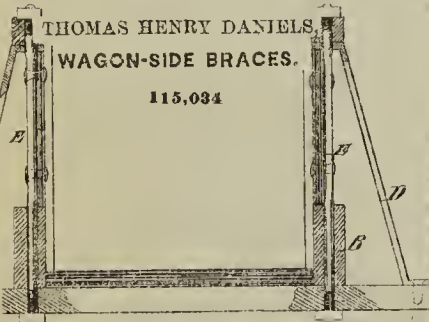


DELOS C. FLINT CORN-HARVESTERS.
115,046

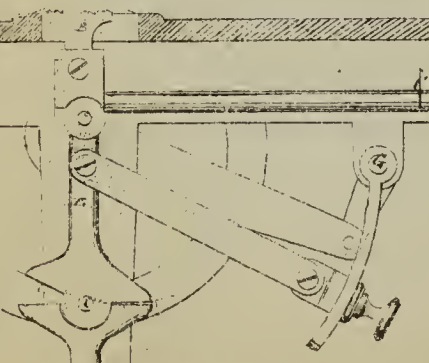


THOMAS HENRY DANIELS.
WAGON-SIDE BRACES.

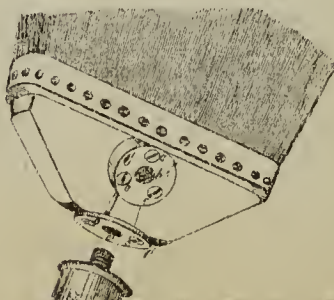
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115,036 DIEHL AND GEHRING,
FEEDING MECHANISMS



115,041 ELIJAH F. DUNAWAY,
HANDLE-FASTENINGS FOR BROOMS

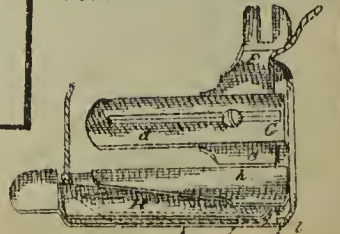


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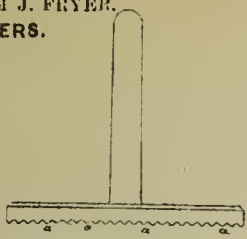
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WILLIAM FORKNER.



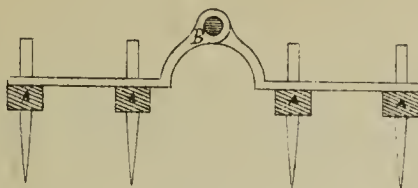
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FOWLER AND PETTINGILL
CORDING ATTACHMENTS



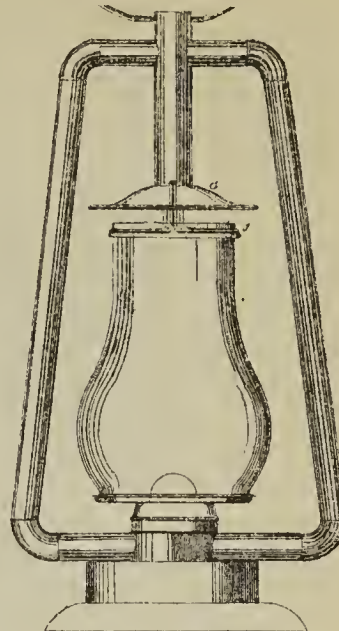
115,049 WILLIAM J. FRYER.
MOLDERS' SLICKERS.



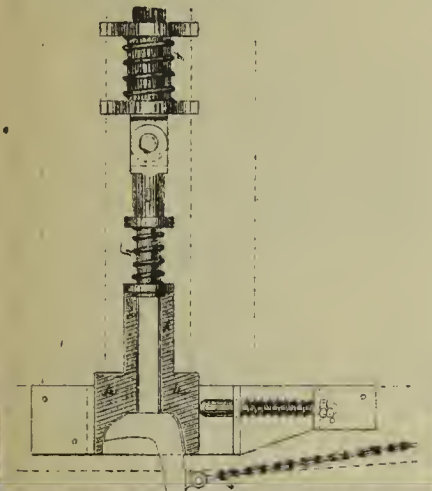
115,055 GEORGE HILL.
CORN-HARROWS.



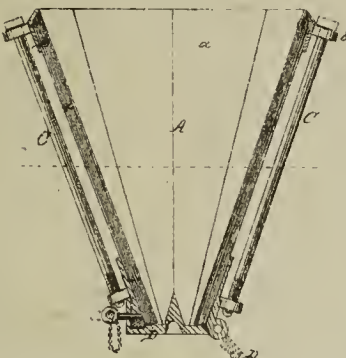
115,059 JOHN H. IRWIN.
LANTERN-GLOBE HOLDERS.



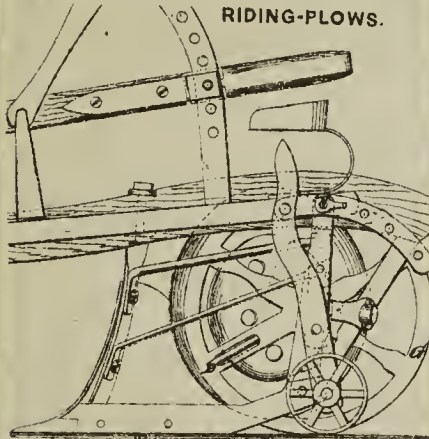
115,050 PERRY G. GARDINER.
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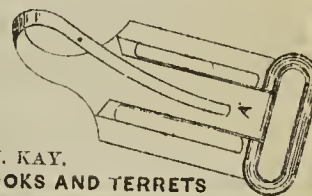
115,056 WILLIAM F. HOLSKE.
HOLLOW VESSELS.



115,057 BENAIAH C. HOYT.
RIDING-PLOWS.



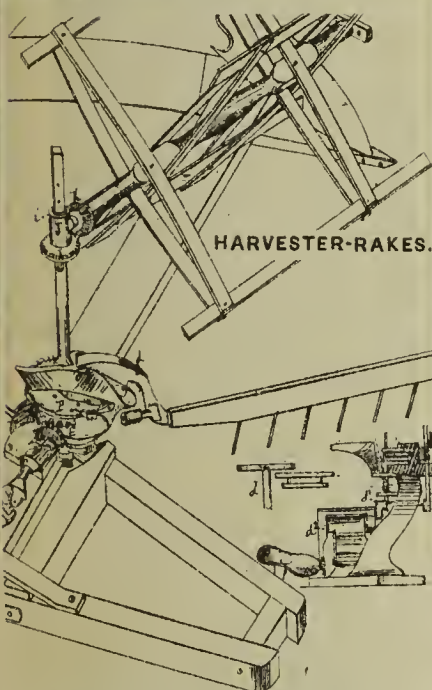
115,061



WILLIAM V. KAY.
CHECK-HOOKS AND TERRETS

115,051, J. J. GROSHEINZ.
GLUCOSE SIRUPS AND SUGARS.

115,052 JAMES HARRIS.



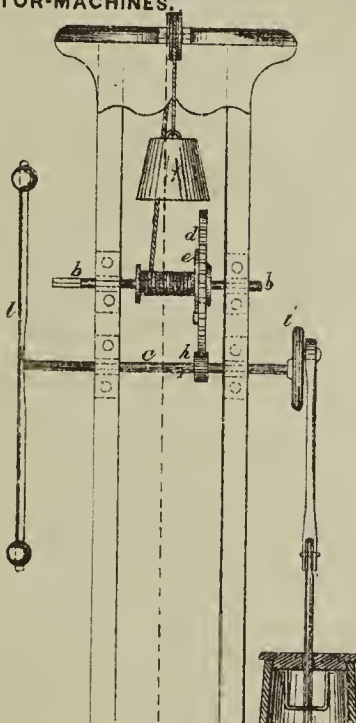
HARVESTER-RAKES.

115,062

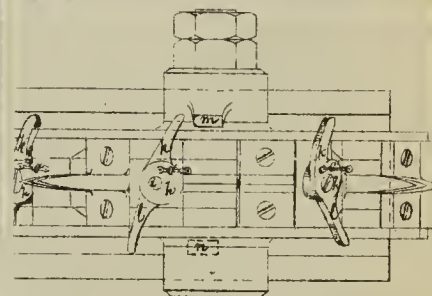


WILLIAM V. KAY.
HARNESS PAD-TREES.

115,058 ISAAC G. HUBBARD.
MOTOR-MACHINES.

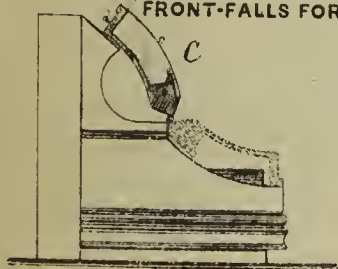


115,064 EDWARD WATSON KELLEY.

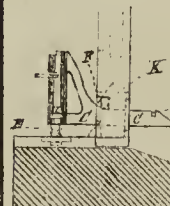


MAKING HORSESHOE-NAILS.

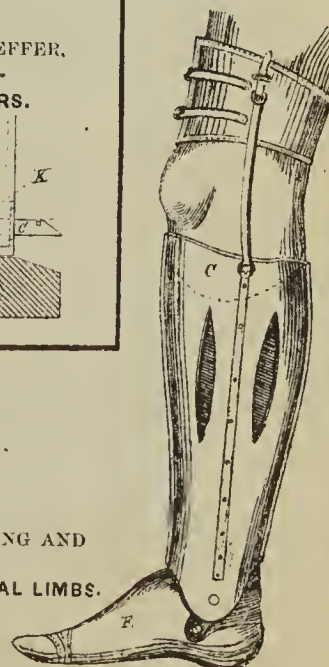
115,053 AZARIA HORACE HASTINGS,
FRONT-FALLS FOR PIANOS.



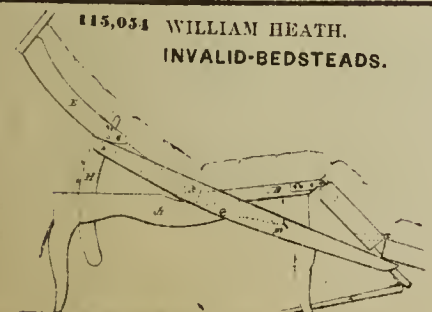
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PETER KEFFER.
SHUTTER-FASTENERS.



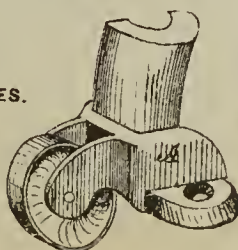
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KEPPERLING AND
KREITER.
ARTIFICIAL LIMBS.



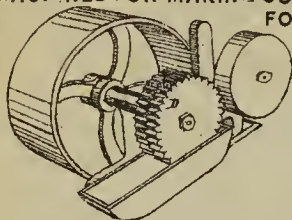
115,054 WILLIAM HEATH.
INVALID-BEDSTEADS.



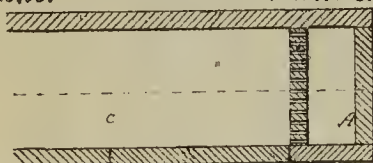
115,060
HARRY JONES.
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SEWING-MACHINES.



115,066 HOMER A. KING,
MACHINES FOR MAKING COMB-GUIDES
FOR BEE-HIVES.



115,067 AUGUST KNOCHE, MEAT-SAFES.

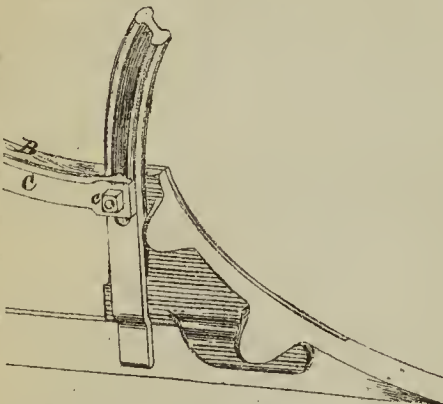


115,068

GEORGE W. LANE,
SHARPENING CALKS.



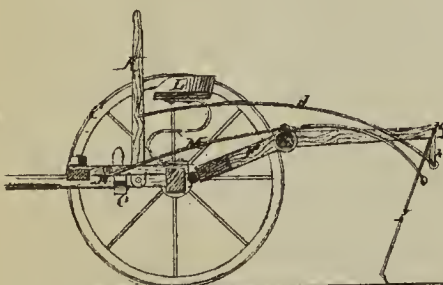
115,069 JOHN L. LAUGHLIN,
ATTACHING HANDLES TO PLOWS.



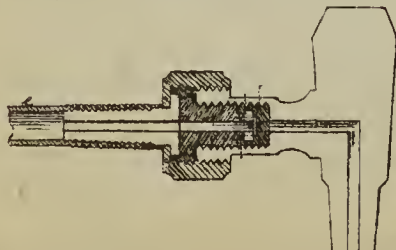
115,070 HENRY LAURENCE,
FILE-HOLDERS AND POLISHERS.



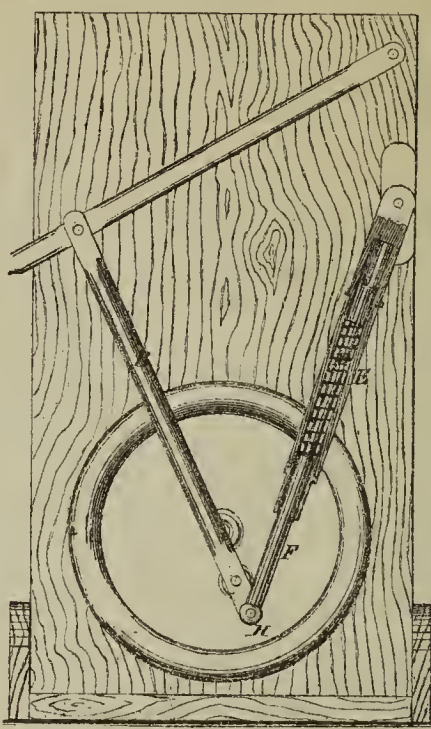
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HORSE HAY-RAKES.



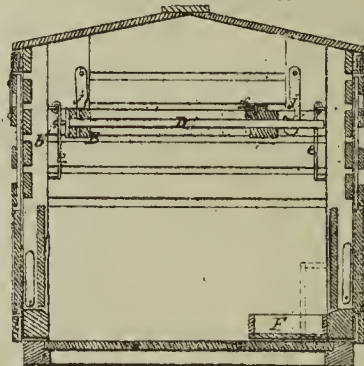
115,072 JACOB LORENZ,
PRESERVING AND COOLING BEER.



115,073 HARVEY LULL,
AUXILIARY SPRINGS FOR TREADLES.

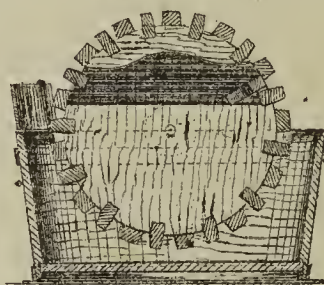


115,074 WILLIAM M. LYON,
RAILWAY STOCK-CARS.

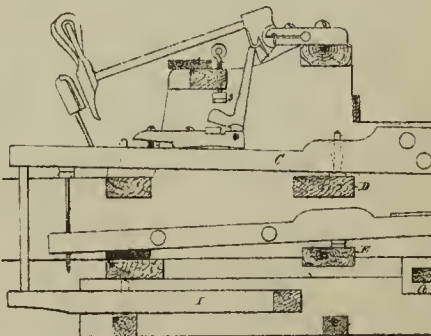


115,075 FRANK MARQUARD,
COMPOSITION BOOT AND SHOE HEELS.

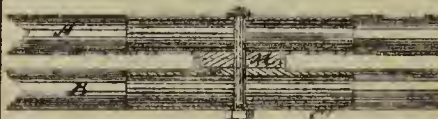
115,076 MARR AND MAUGHLIN,
WASHING-MACHINES.



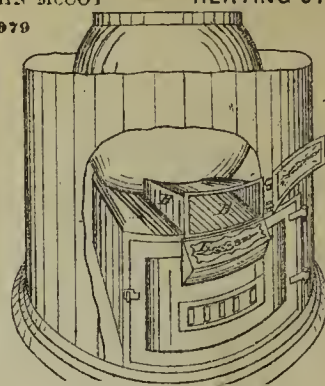
115,077 MATT AND GRUETER,
PIANO ACTIONS.



115,078 ROBERT W. MCCLELLAND,
WHIFFLETREES.

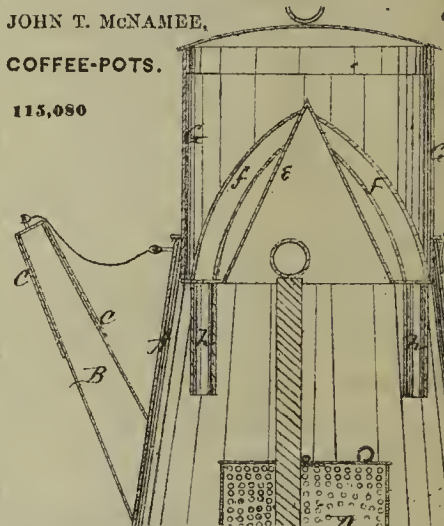


JOHN MCCOY HEATING-STOVES.
115,079



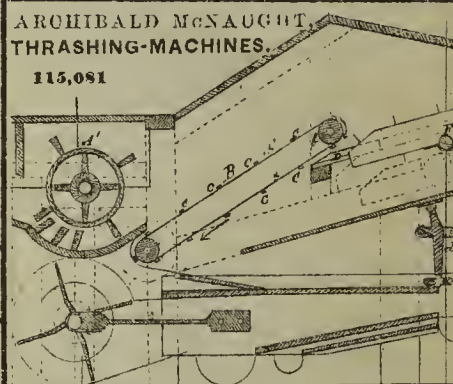
JOHN T. MCNAMEE,
COFFEE-POTS.

115,080

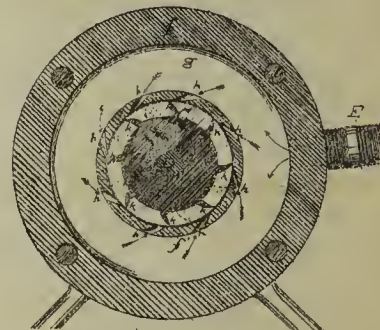


ARCHIBALD MCNAUGHT,
THRASHING-MACHINES.

115,081

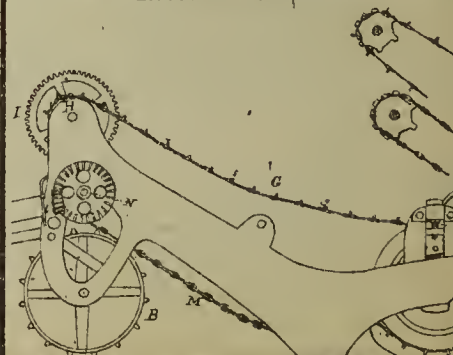


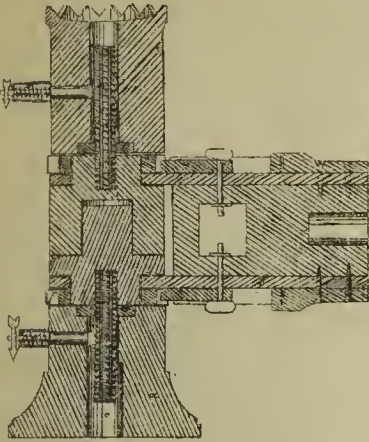
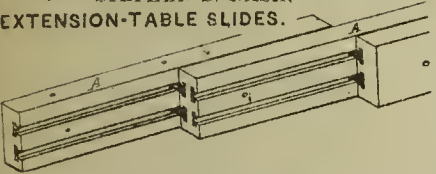
115,082 ALANSON H. MERRIMAN,
WATER-WHEELS.



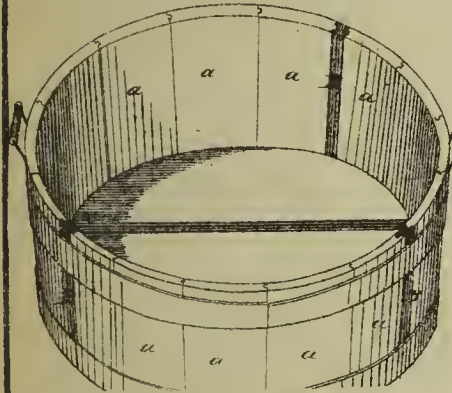
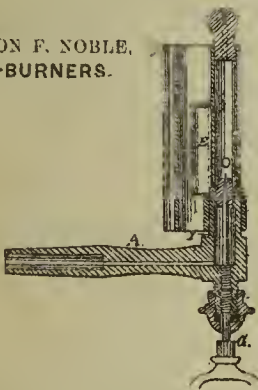
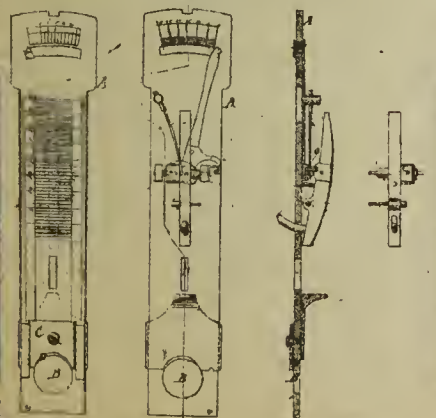
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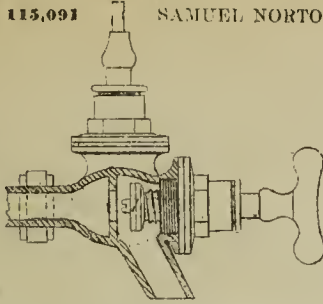
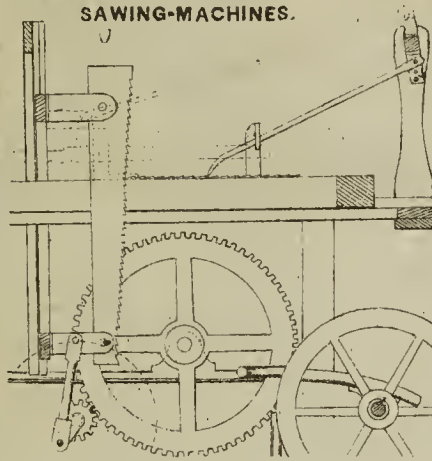
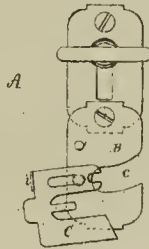
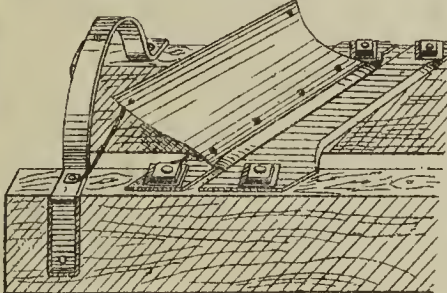
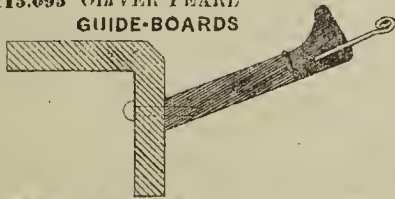


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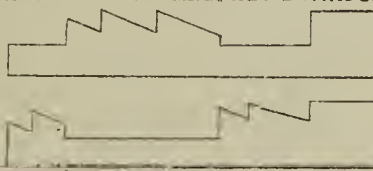
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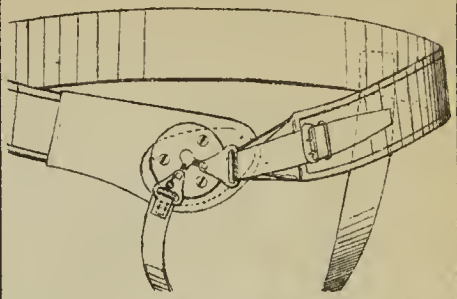
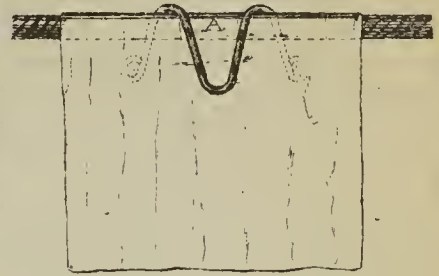
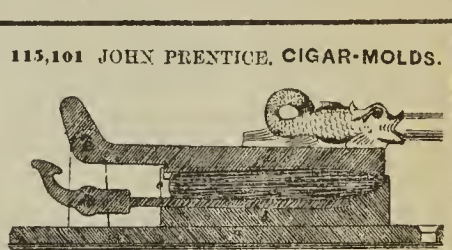
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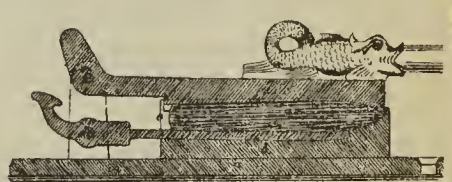
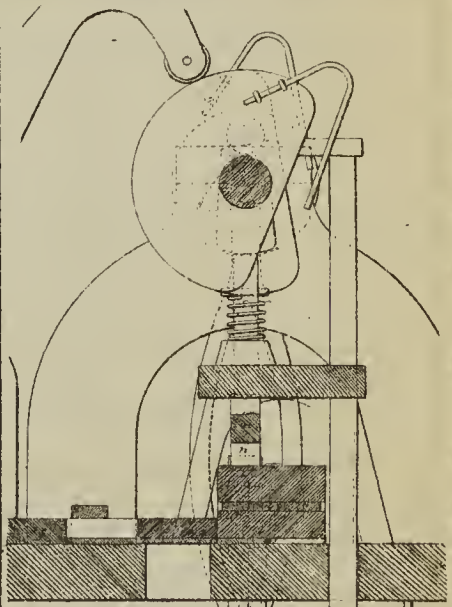
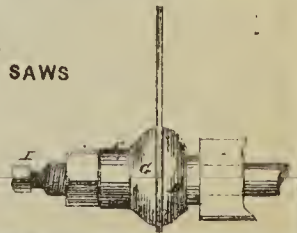
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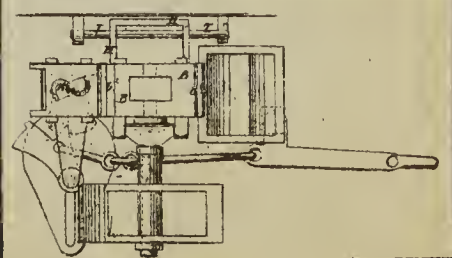
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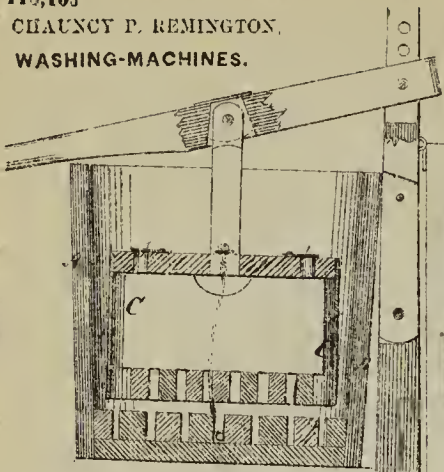
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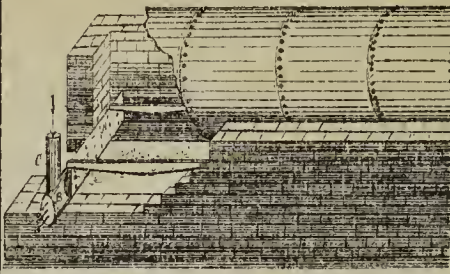
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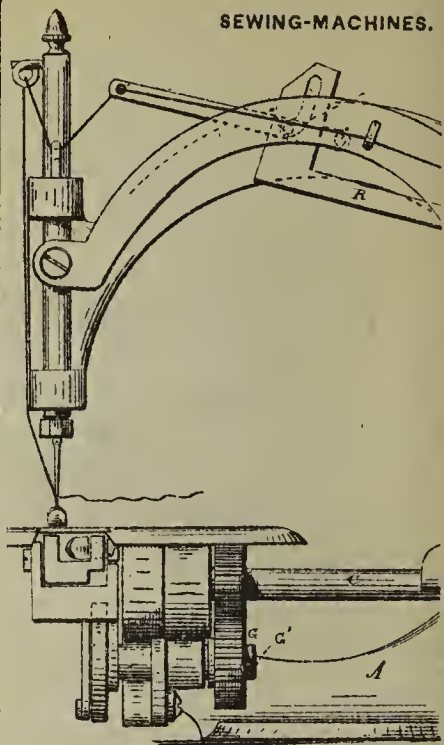
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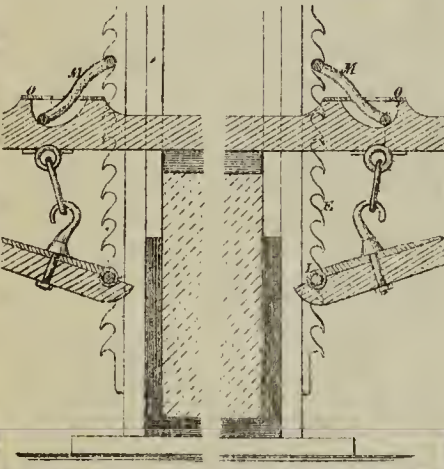
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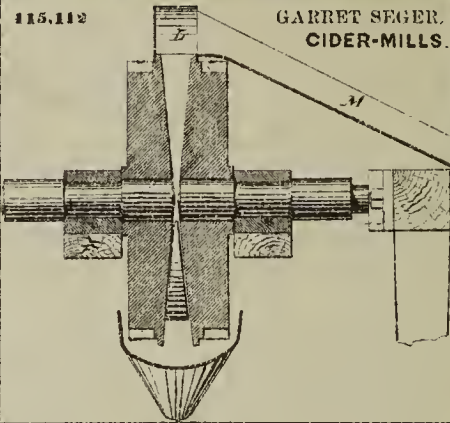
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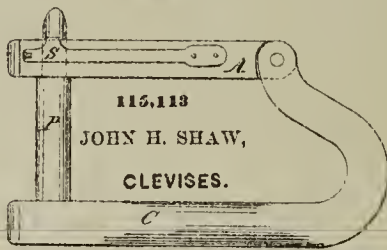
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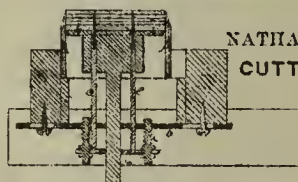
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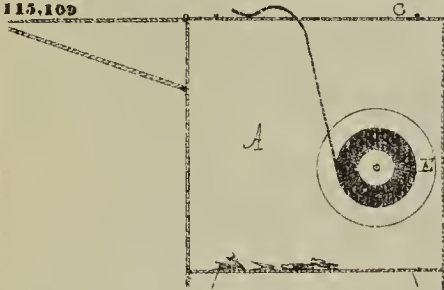
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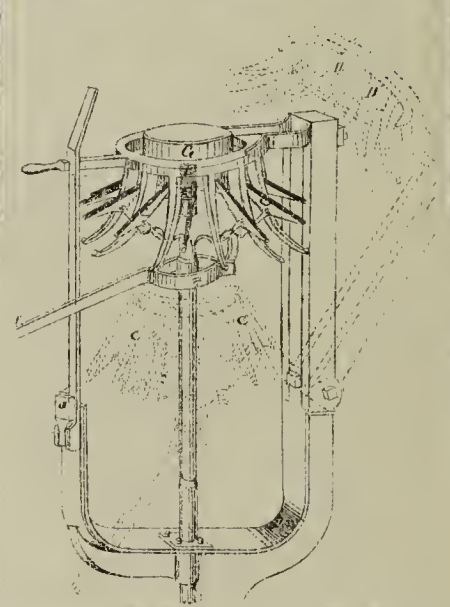
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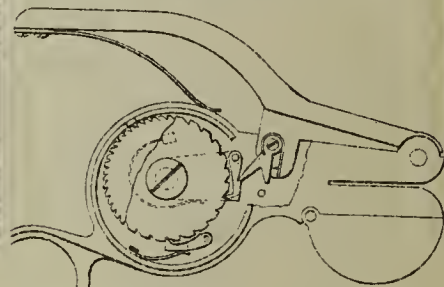
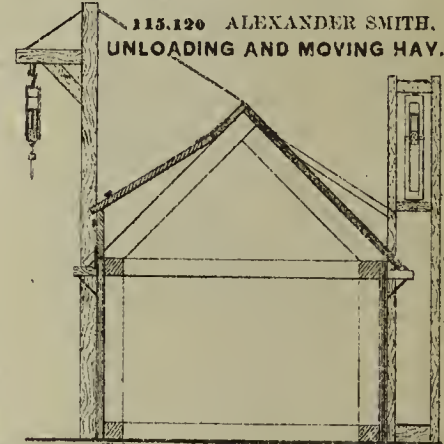
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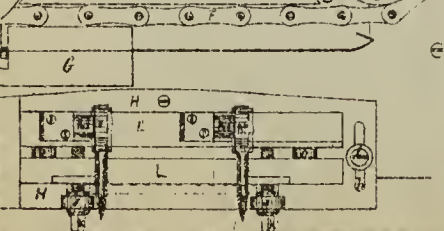
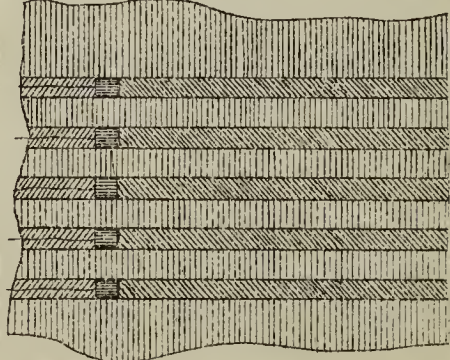
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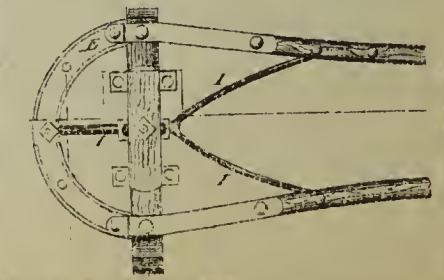
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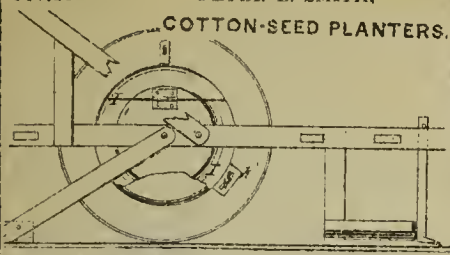
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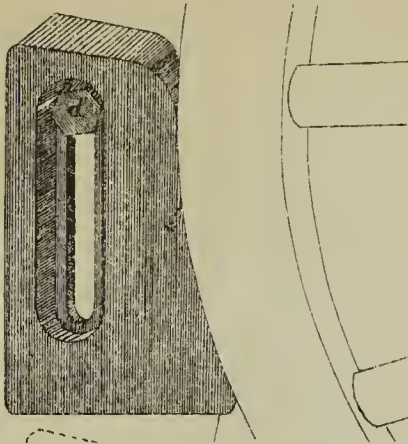
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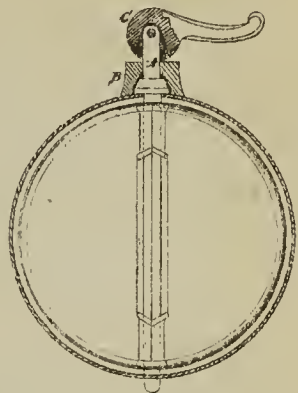
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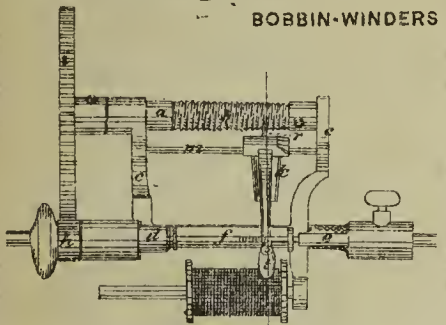
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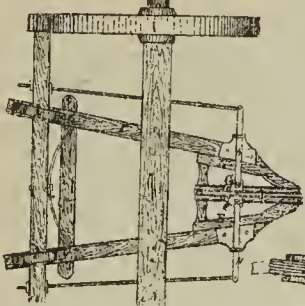


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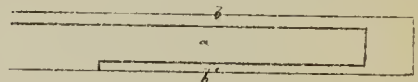


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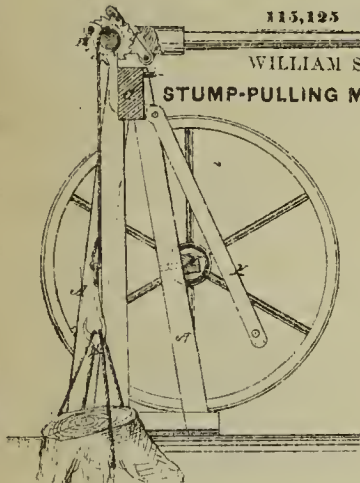
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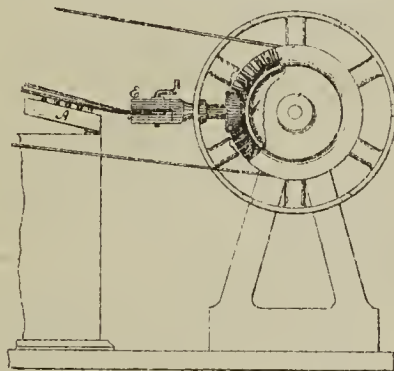
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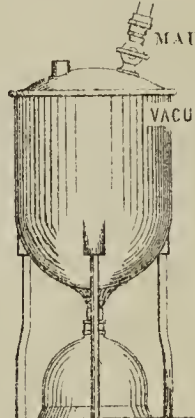
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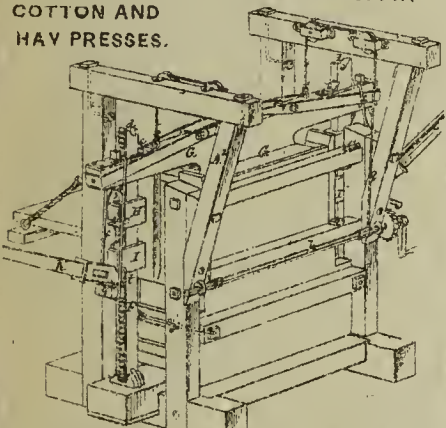


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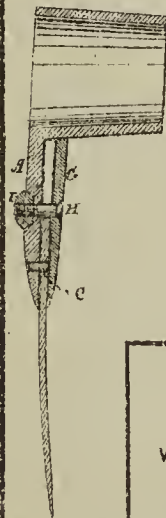


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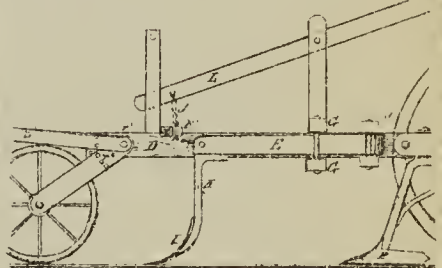
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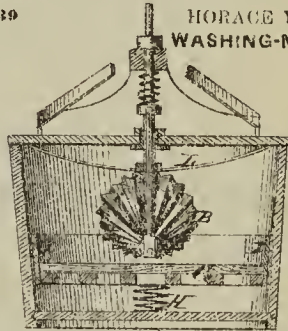
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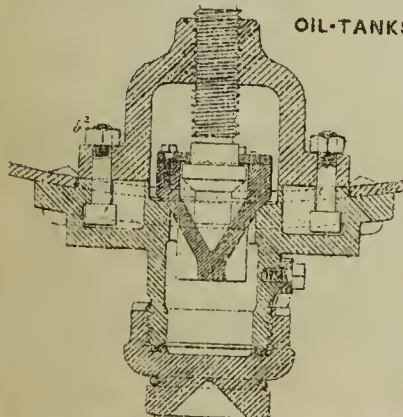
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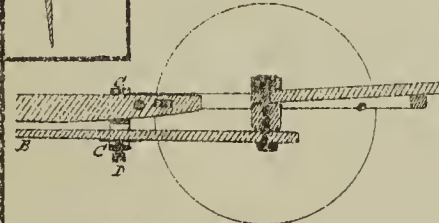
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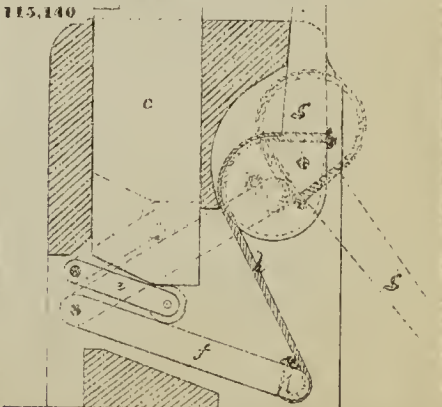
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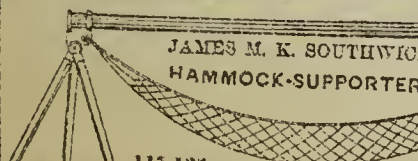
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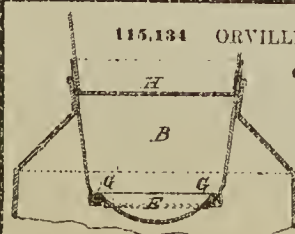


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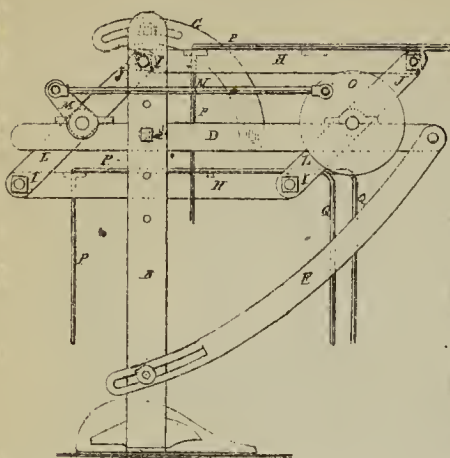


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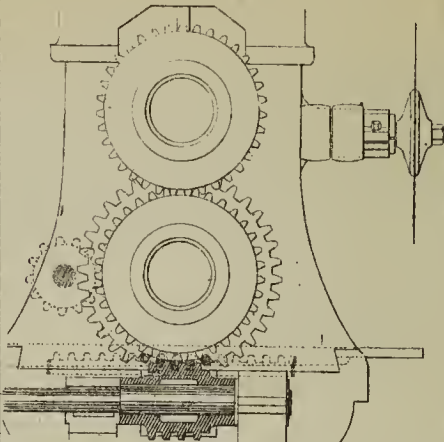
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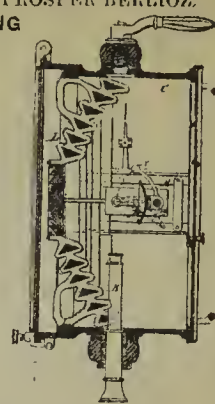
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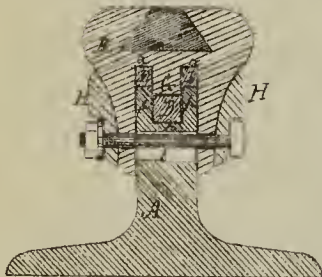
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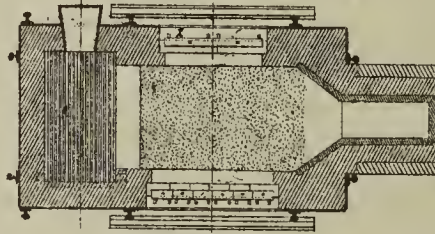
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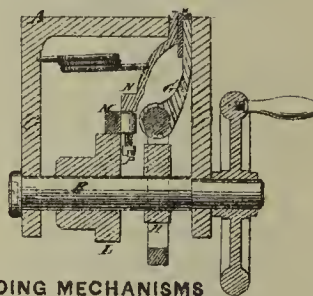
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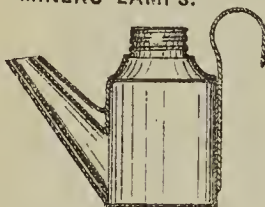


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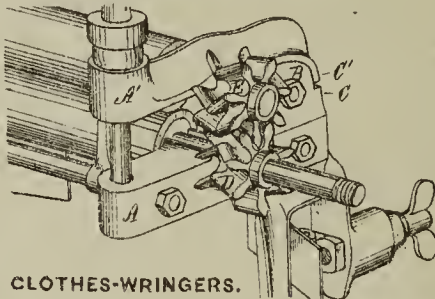


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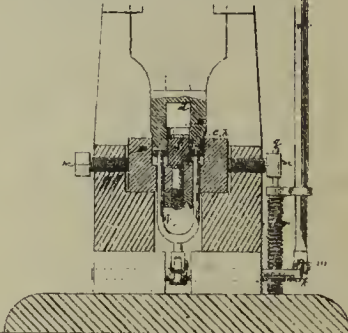


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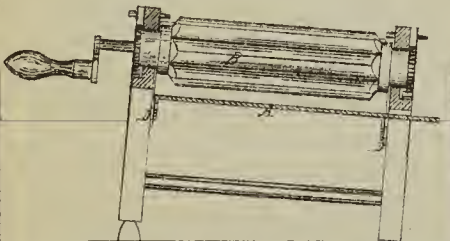


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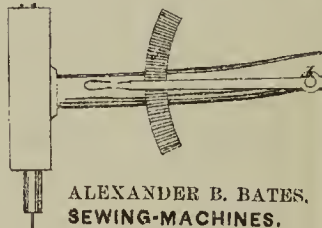
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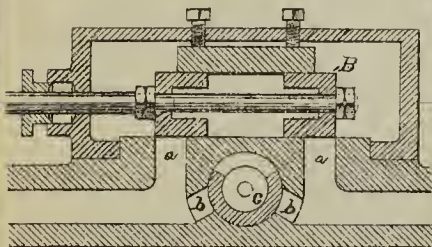


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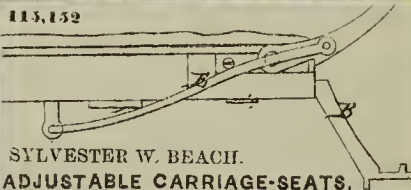
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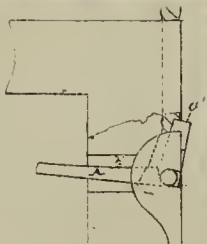


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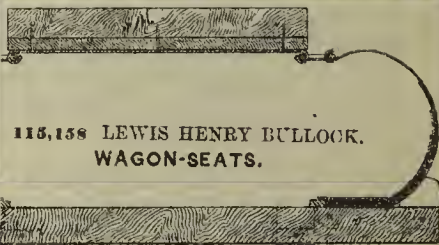
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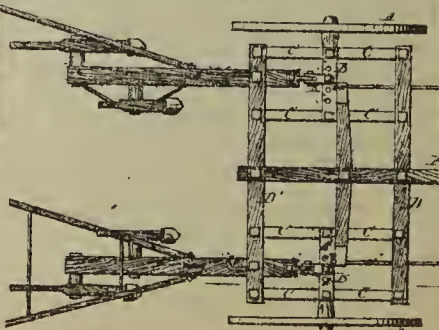
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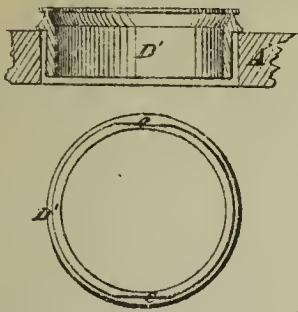
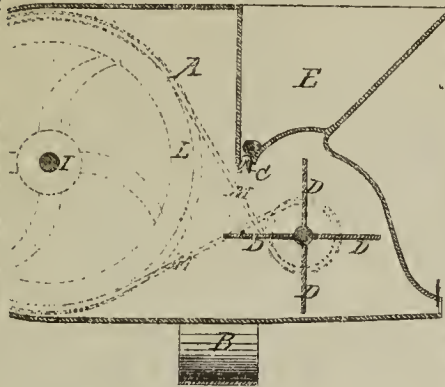
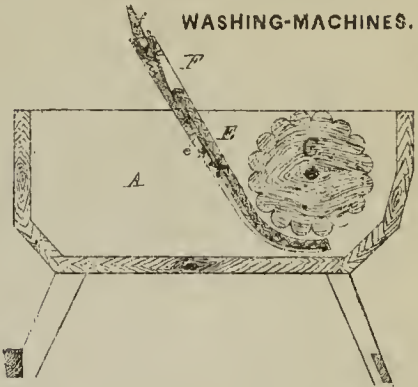
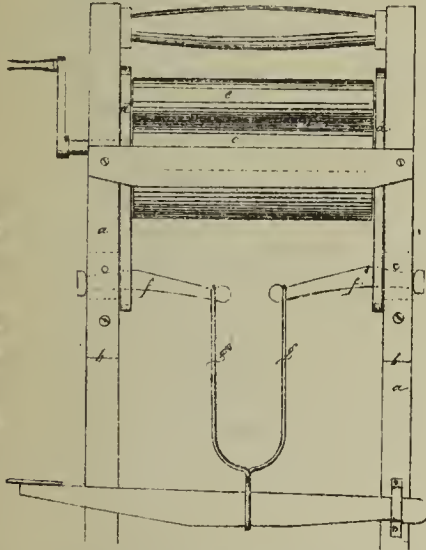


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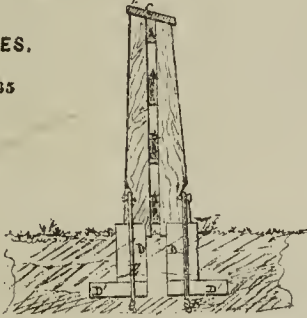
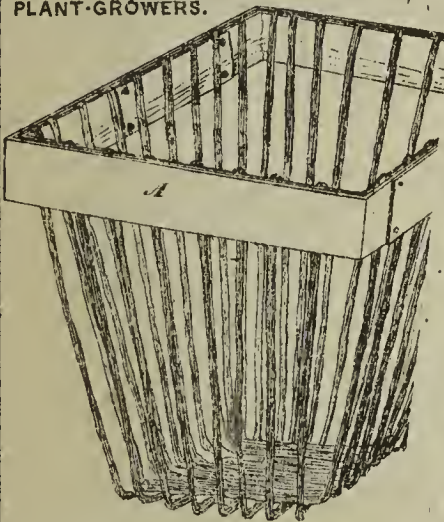
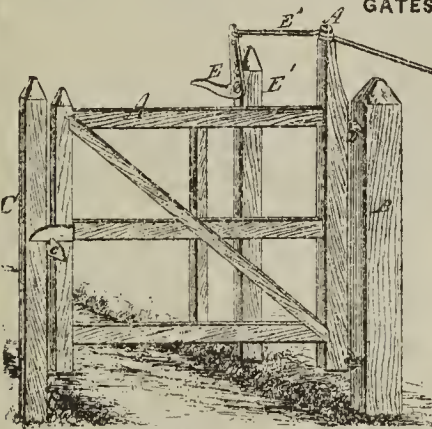
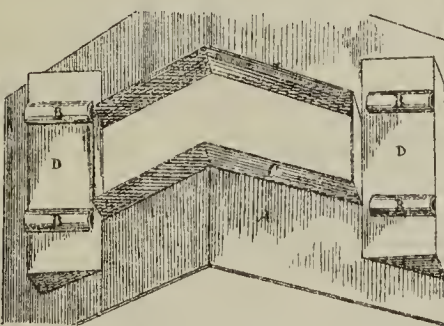
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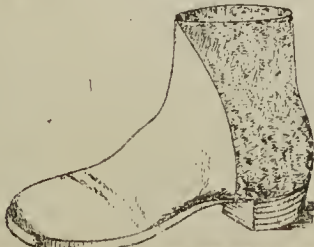
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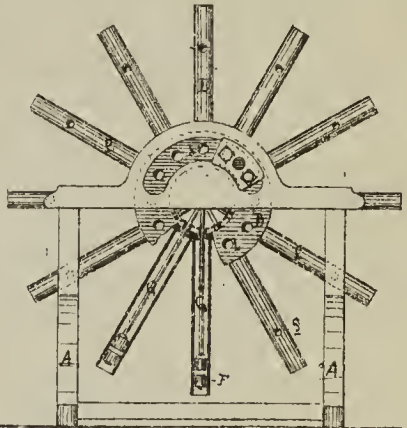
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115,169 ELISHA S. CONVERSE, SHOES.



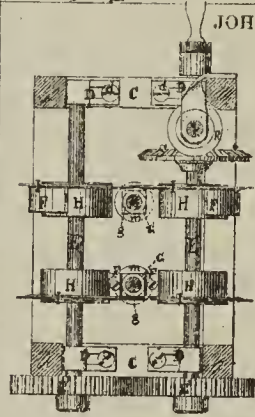
115,171 JAMES COX, ROTARY ENGINES.



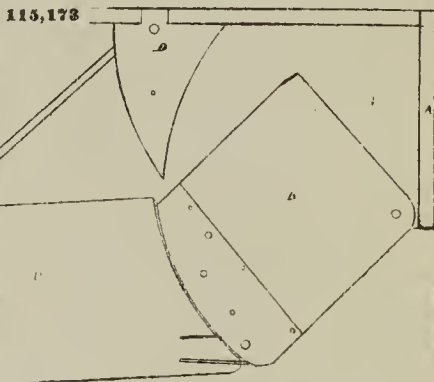
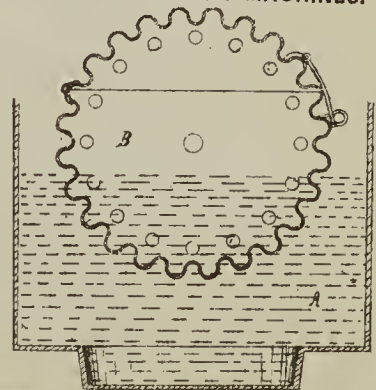
JOHN M. CRAWFORD,

STAMP-MILLS.

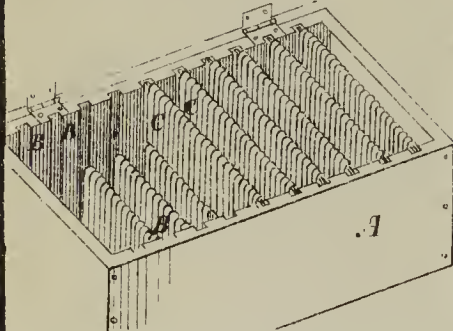
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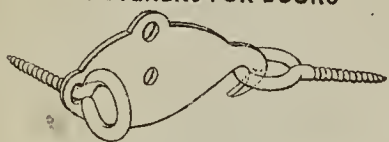
ALONZO G. GROSSMAN, CENTER-BOARDS.

115,174 JAMES CURTIS.
BOILER WASHING-MACHINES.

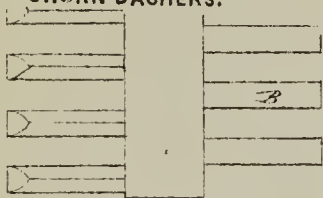
115,175 BIRAM C. DAVIS,
BOXING BLIND-STAPLES.



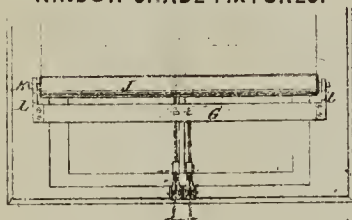
115,176 JACOB Z. DAVIS,
FASTENERS FOR DOORS



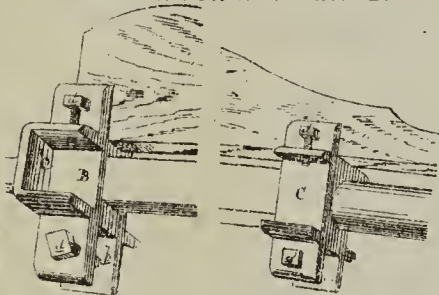
115,177 SAMUEL F. DOLLOFF,
CHURN-DASHERS.



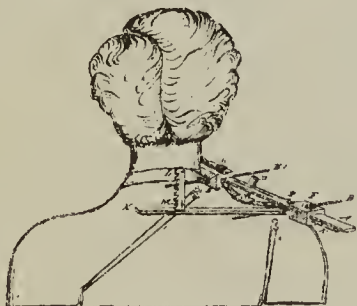
115,178 ALFRED S. DICKINSON,
WINDOW-SHADE FIXTURES.



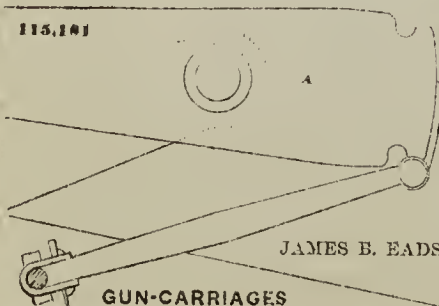
115,179 ROBERT H. DOWLING,
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115,180 ITHAMAR DU BOIS,
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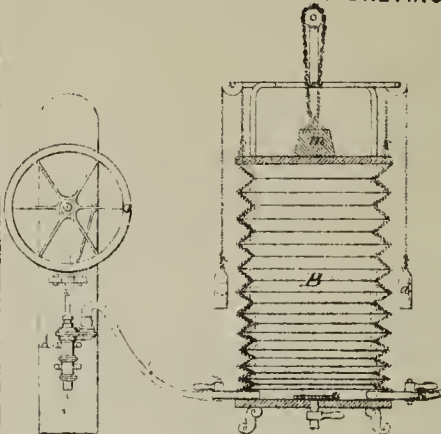
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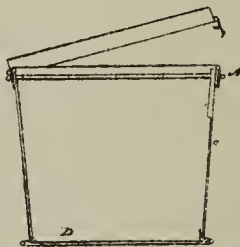
JAMES B. EADS

GUN-CARRIAGES

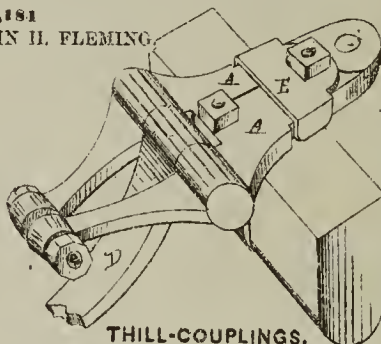
115,182 GEORGE EDMONDS,
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115,183
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REPELTING,
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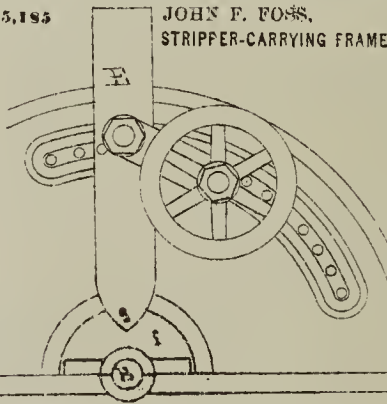
115,184
JOHN H. FLEMING



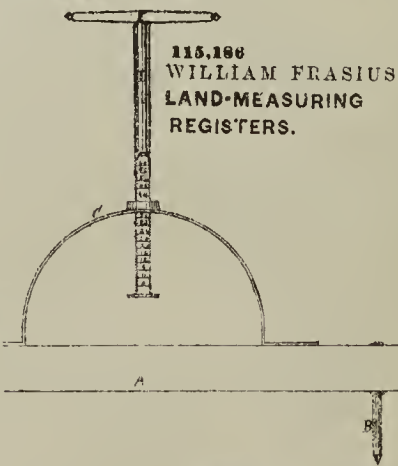
THILL-COUPPLINGS.

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JOHN F. FOSS,
STRIPPER-CARRYING FRAMES



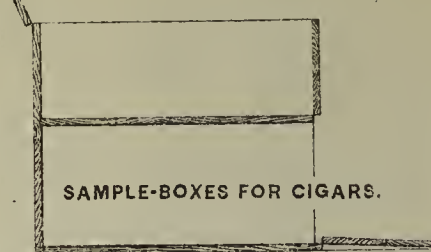
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WILLIAM FRASIUS,
LAND-MEASURING
REGISTERS.



115,187
GIDEON FRISBEE,
ROCK-DRILLING
MACHINES.

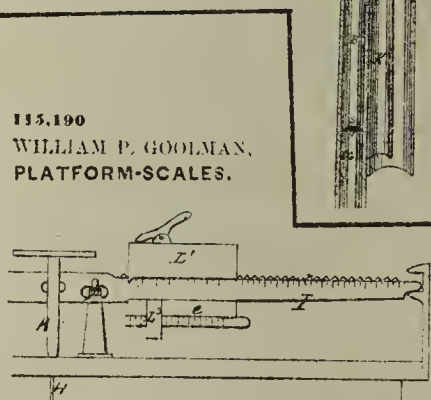


115,188 JOHN C. W. FRISHMUTH,

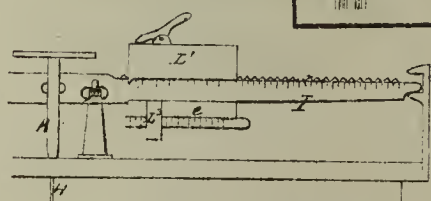


SAMPLE-BOXES FOR CIGARS.

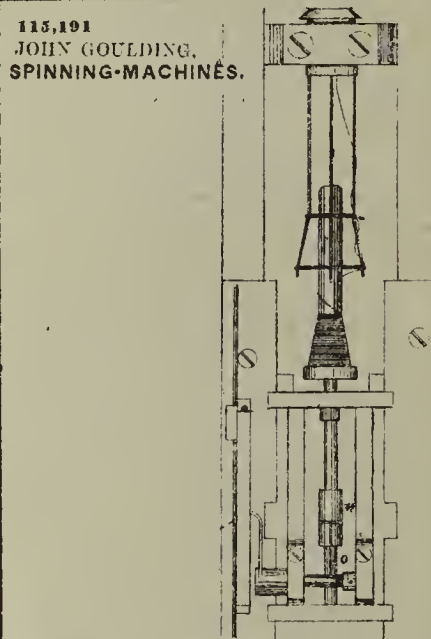
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VAPOR-BURNERS.



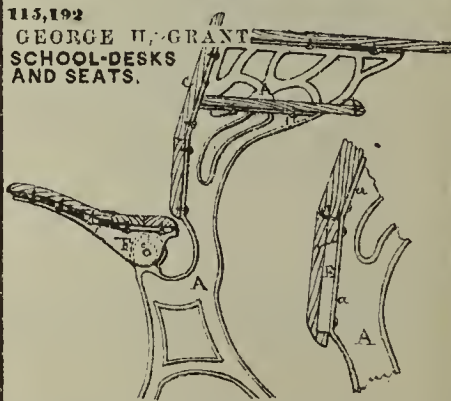
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WILLIAM P. GOOLMAN,
PLATFORM-SCALES.



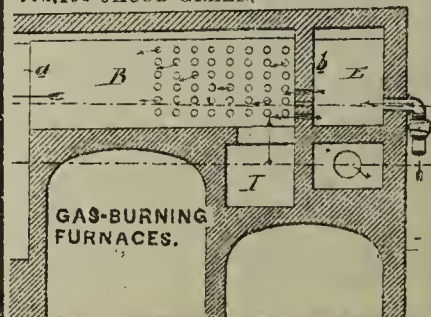
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JOHN GOULDING,
SPINNING-MACHINES.



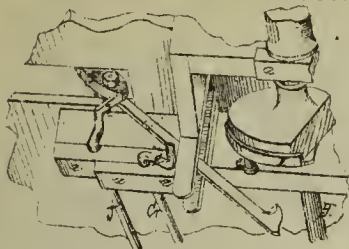
115,192
GEORGE H. GRANT,
SCHOOL-DESKS
AND SEATS.



115,193 JACOB GREEN,

GAS-BURNING
FURNACES.

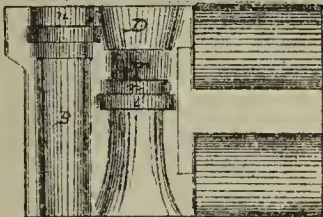
115,194 DAVID S. GRIFFES.
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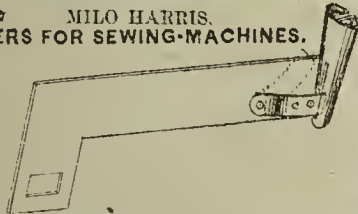
115,195 WILLIAM HENRY GROVE,
SHOW-CASES.



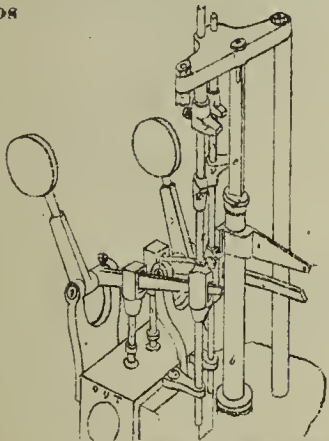
115,196 JOHN HARRINGTON
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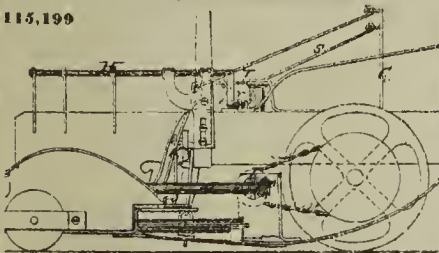
115,197 MILO HARRIS.
HEMMERS FOR SEWING-MACHINES.



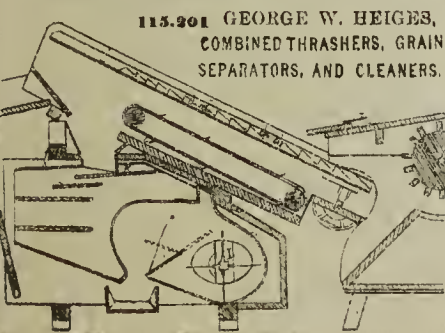
JOHN F. HASKINS, PNEUMATIC ENGINES.
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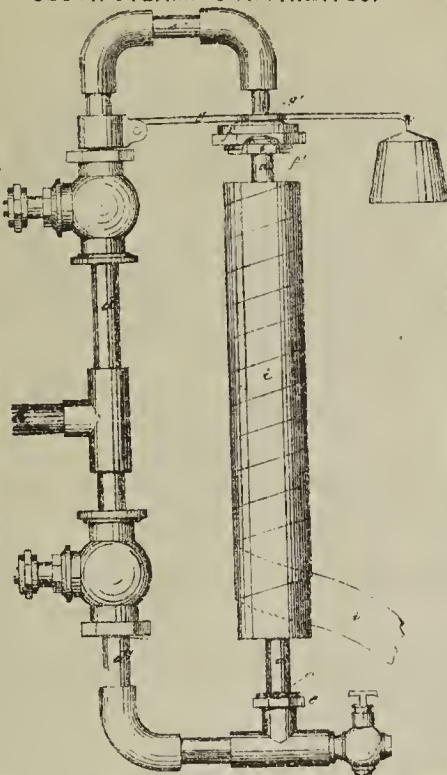
ISRAEL HEDGES, HARVESTER-DROPPER
115,199



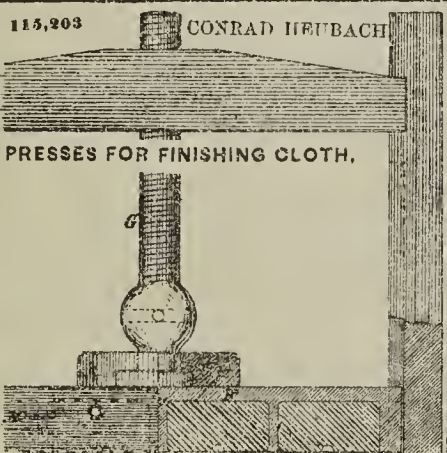
115,201 GEORGE W. HEIGES,
COMBINED THRASHERS, GRAIN
SEPARATORS, AND CLEANERS.



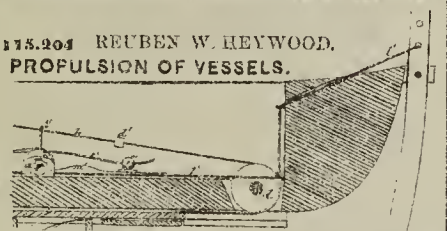
115,200 LUKE M. HEERY.
CLOTH-STEAMING APPARATUS.



115,202 JOHN HELM,
BLEACHING RUBBER, GUTTA-PERCHA,



115,204 REUBEN W. HEYWOOD,
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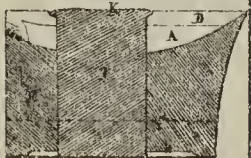


JOSEPH R.
HICE
FIRE-KINDLER

115,205



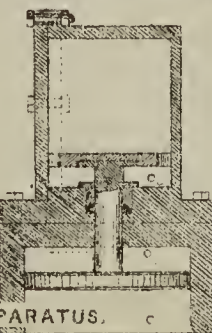
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AUGUSTUS L.
HOLBROOK.
HEELS FOR BOOTS
AND SHOES.



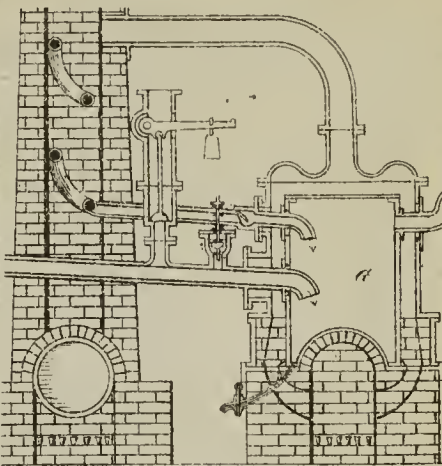
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HOTCHKISS, AND
ALLERTON.

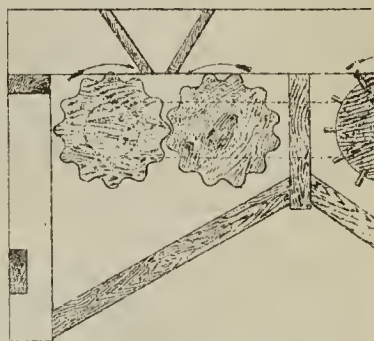
VULCANIZING APPARATUS.



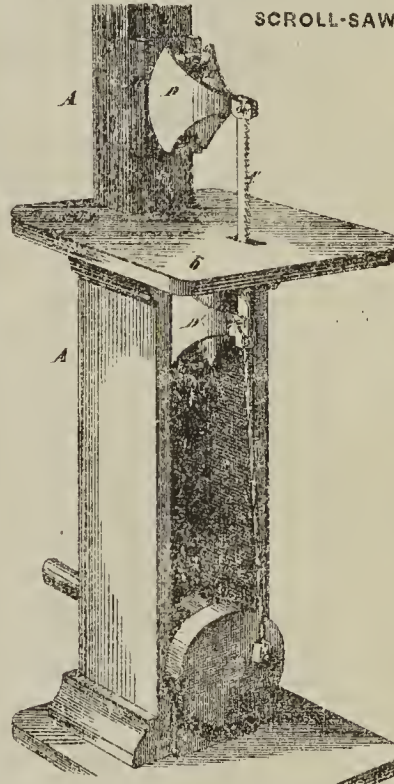
115,208 JOHN HOUTT.
STEAM-ENGINES.



115,209 JOHN HUGHES,
UTILIZING IMMATURE COTTON-BOLLS.



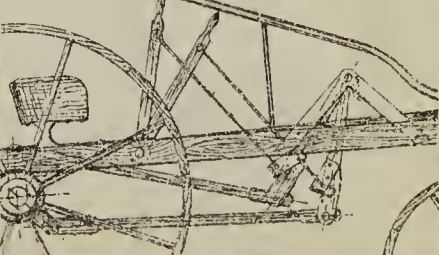
115,210 HUMPHREY AND BICKFORD,
SCROLL-SAWS.



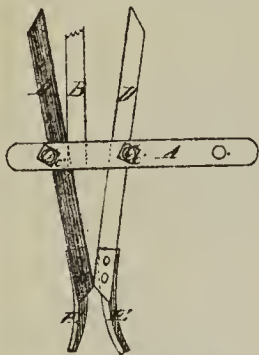
115,211 WILLIAM A. IVES, BUNG-BORERS.



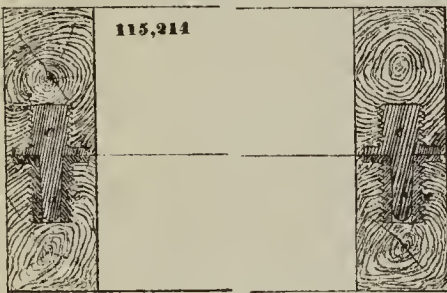
BERNHARD JANSON. VELOCIPEDS.
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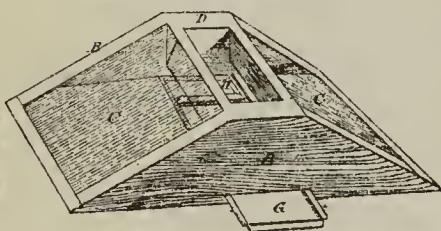
M. JOHNSON. 115,213.
Cultivator and Weeding-Machines.



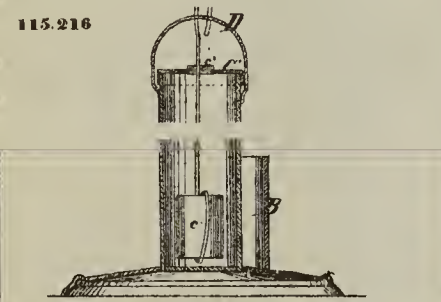
EDWARD F. JONES. 115,214. MOLDERS' FLASKS.



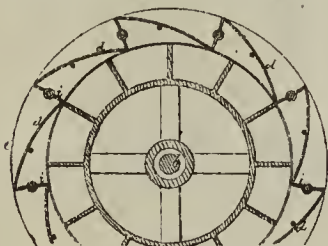
115,215 JAMES M. KEEP.
ROACH OR BUG TRAPS.



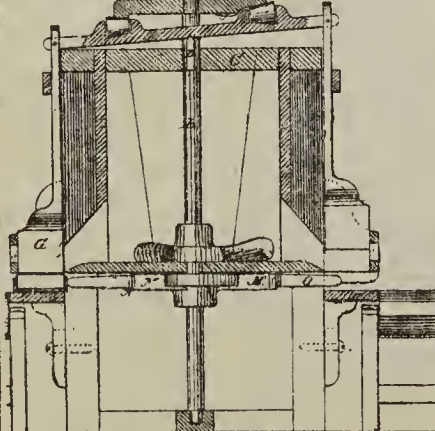
ABRAHAM B. KING. 115,216. FIRE-KINDLERS.



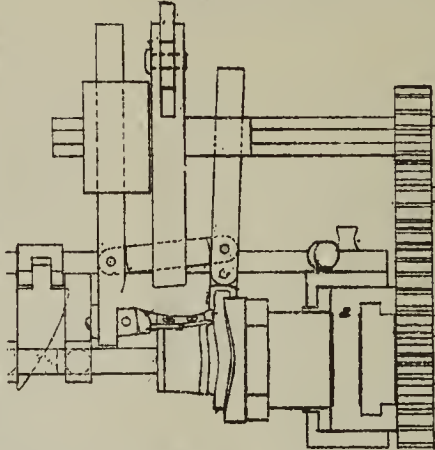
115,217 JOHN J. KNOWLTON.
TURBINE WATER-WHEELS.



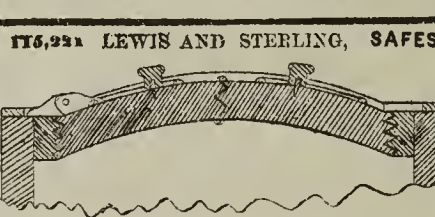
JOHN L. KUCKER. 115,218. BRICK-MACHINES.



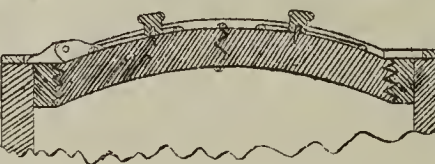
115,219 RICHARD C. LAMBERT.
TRIMMING BOOT AND SHOE HEELS



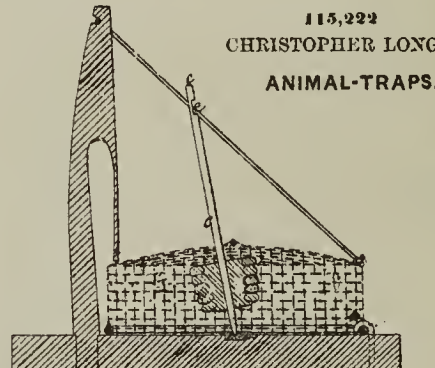
115,220 LEVI AND KUN. ZEL.
ALLOYS OR BRONZES.



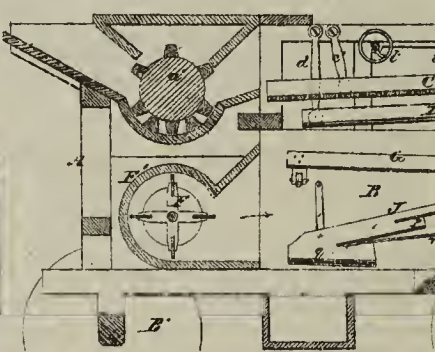
115,221 LEWIS AND STEELING, SAFES.



115,222 CHRISTOPHER LONG,
ANIMAL-TRAPS.



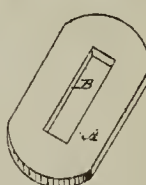
115,223 MARTIN H. MANSFIELD.
THRASHING-MACHINES



115,224 ARNOLD P. MASON,
CHECK-REIN SWIVELS

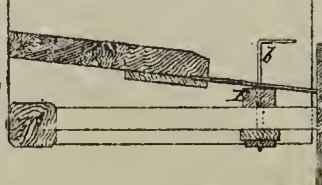


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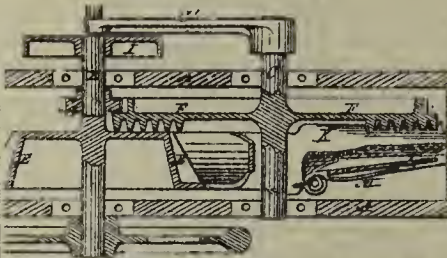


McCLINTOCK &
CUMBERLAND.
Cotton-Bale Ties.

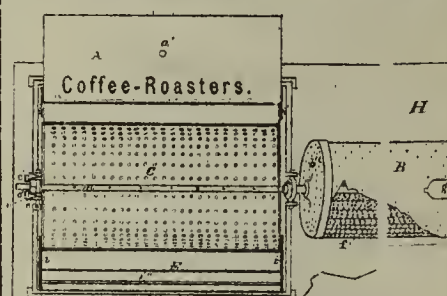
115,226. F. M. McMEEKIN.
Cotton-Gins.



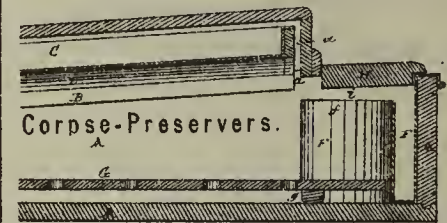
115,227. MILLER & N. DUBRUL.
Machines for Shelling Corn



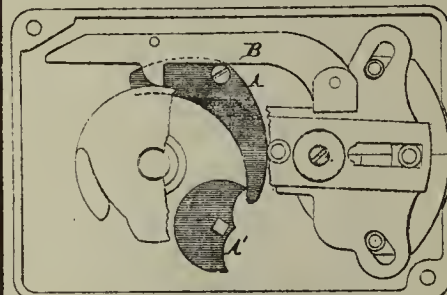
115,228. R. L. MILLS.



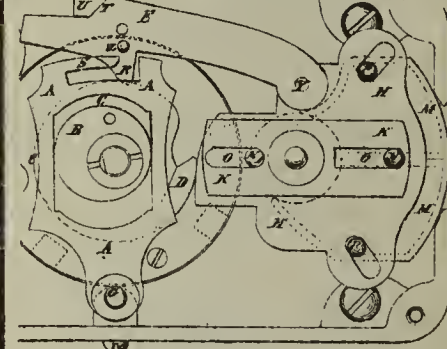
115,229. GEORGE W. NASH.



115,230 JACOB OBERNESSER.
Permutation-Locks.

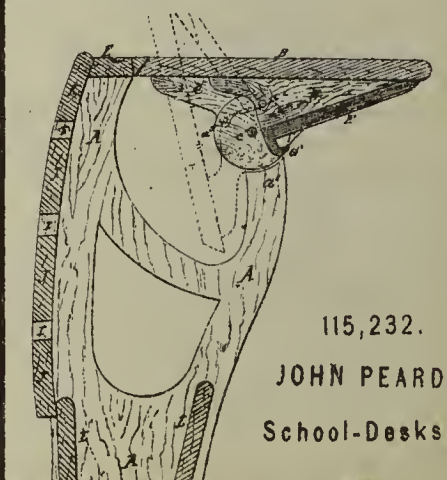


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115,232.

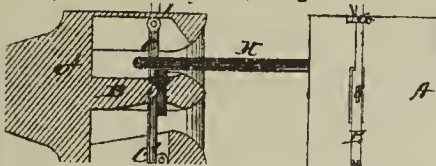
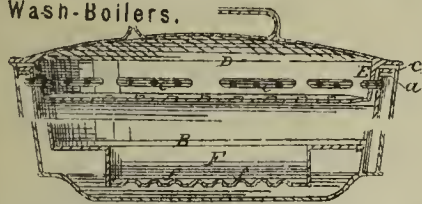
JOHN PEARD.
School-Desks



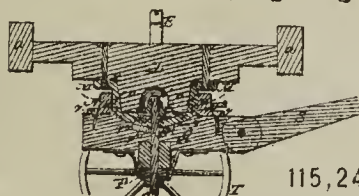
115,233.

Spindle-Steps and Covers
for Spinning-Machines.

OLIVER PEARL.

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115,242. Car-Couplings.115,234. HENRY W. PELL.
Wash-Boilers.115,243. E. L. SEYMOUR. PREPARING
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MANUFACTURE OF STEEL.

JACOB SKEEN. Dumping-Wagons

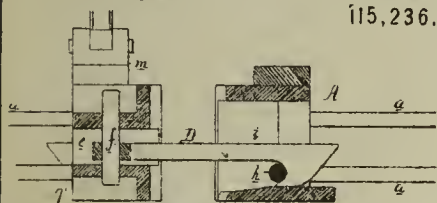
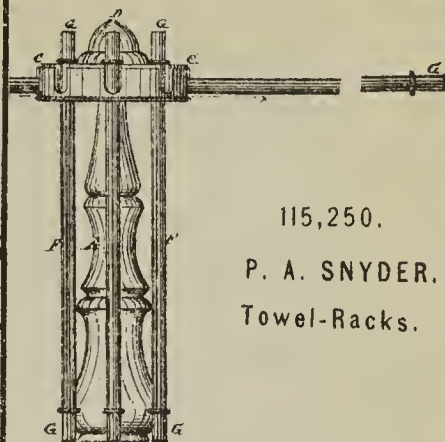
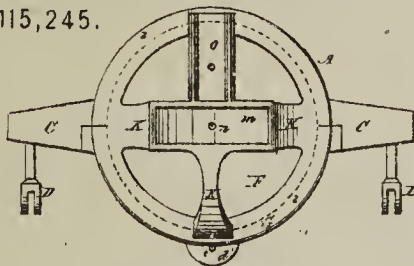


115,244.

115,235.

G. V. Pierce
Fusile.

HIRAM PLUMB.

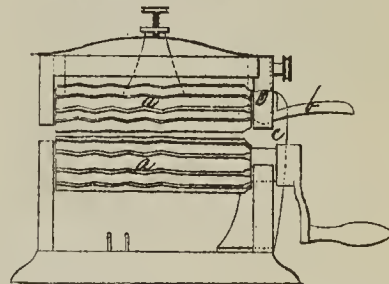
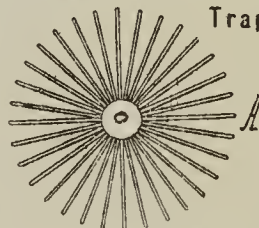
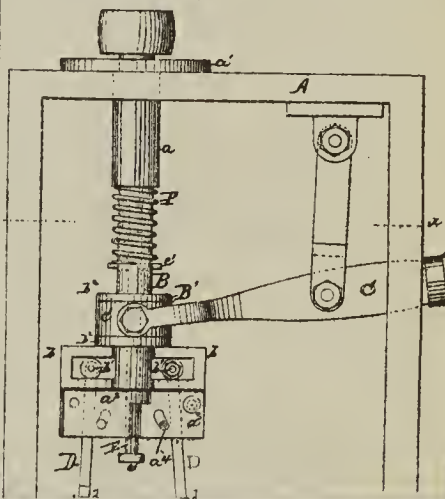
Car-Couplings.
115,236.JACOB SKEEN. Fifth-Wheels.
115,245.

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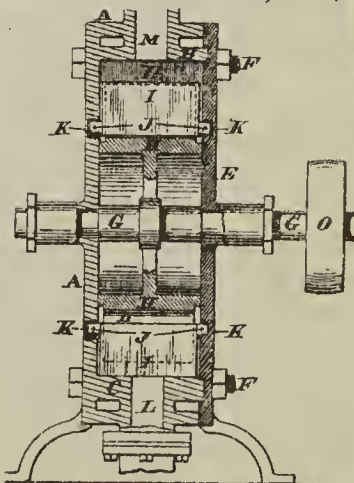
P. A. SNYDER.
Towel-Racks.

115,251. Fluting-Machines.

H. SOMMER & CHARLES BAUER.

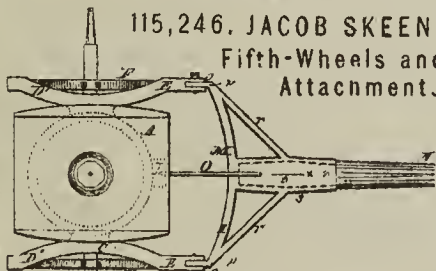
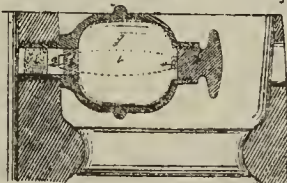
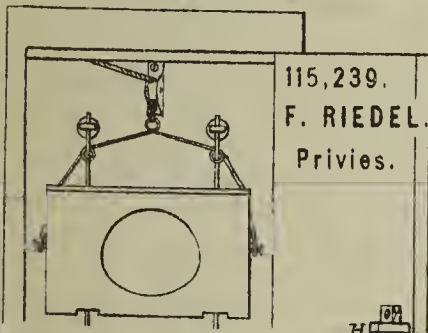
115,252. CHARLES F. SPENCER
Trap-Balls115,253. A. W. C. STERNBERG.
Bung-Cutters.

115,254. H. P. TENANT Rotary-Pumps.

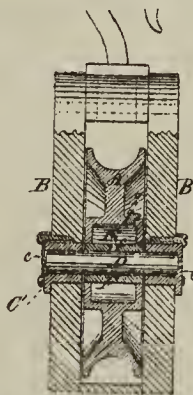


115,237. H. M. POPPLE.

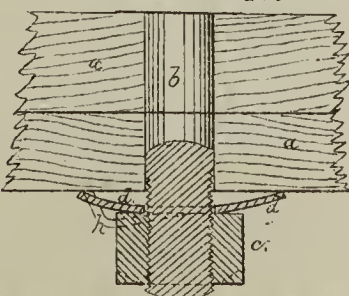
Head-Blocks.

115,246. JACOB SKEEN.
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P. H. RAIFORD.Attaching Napkins
to the Person.115,239.
F. RIEDEL.
Privies.

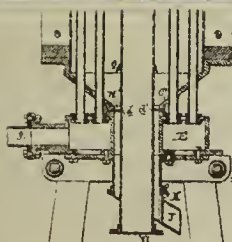
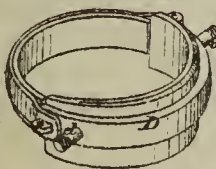
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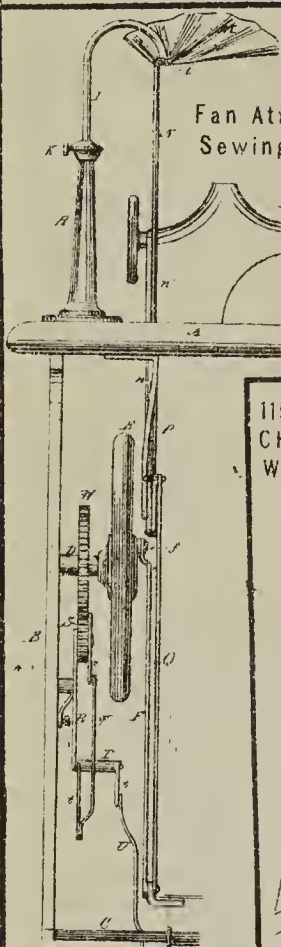
HENRY SMITH.
Pulley-Blocks.

115,249. L. J. SMITH. Lock-Nuts.



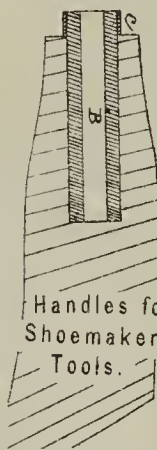
115,240.

A. ROBERT.
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E. ROGERS.Attaching Booms
to Masts.

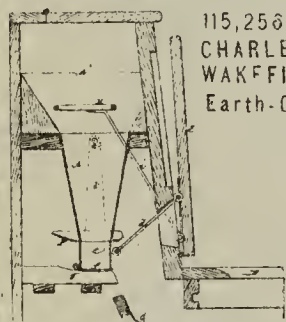


115,255.
GEORGE
THOMPSON.
Fan Attachment for
Sewing-Machines.

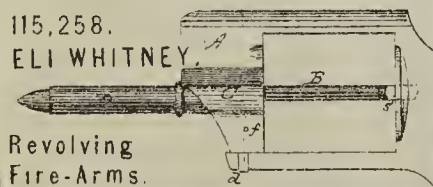
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CHARLES G.
WEGNER.



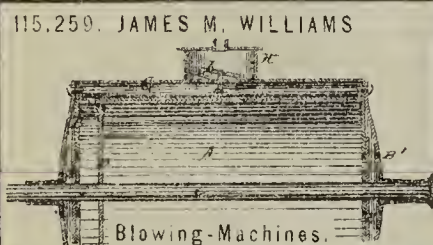
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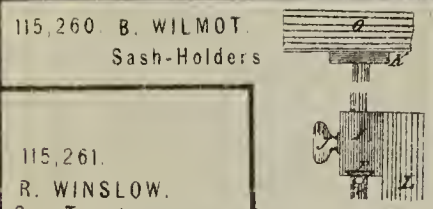
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WAKFIELD.
Earth-Closets.



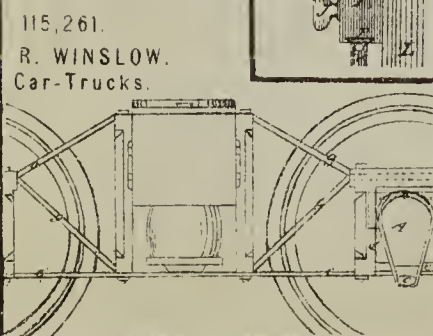
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115,259. JAMES M. WILLIAMS
Blowing-Machines.



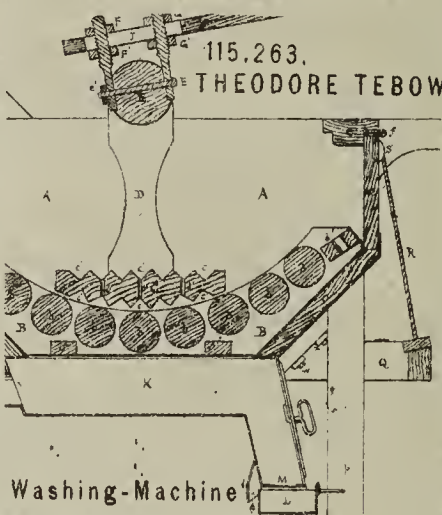
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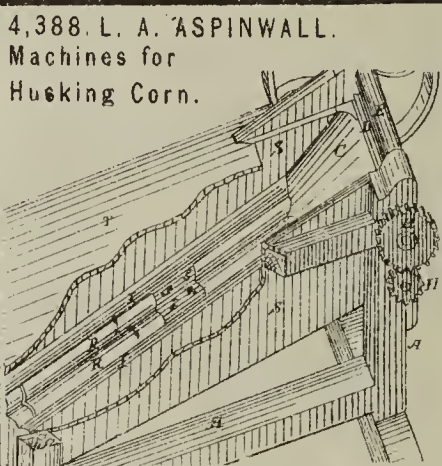
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R. WINSLOW.
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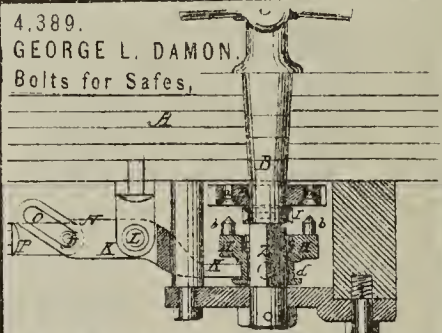
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F. YEISER &
S. W. HEDGER.
Lamps.



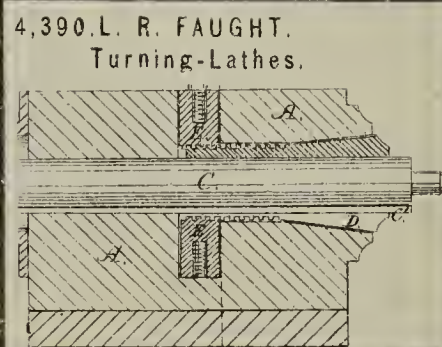
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Washing-Machine



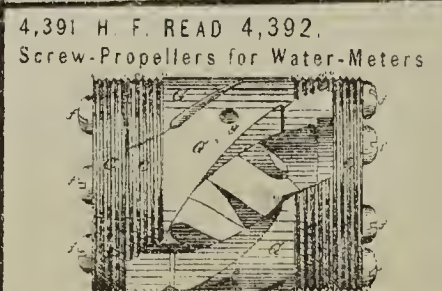
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Machines for
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4,389.
GEORGE L. DAMON.
Bolts for Safes.

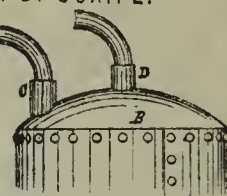


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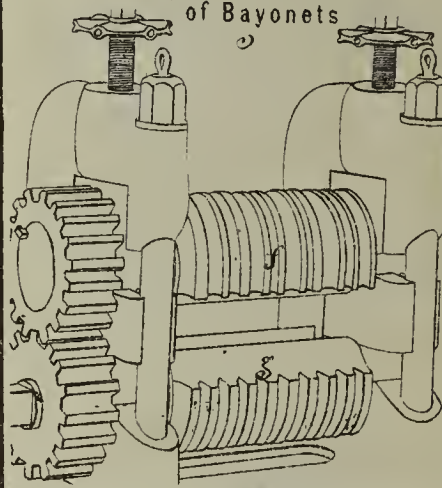


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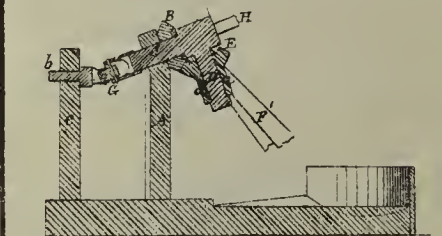
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Kitchen-Boiler



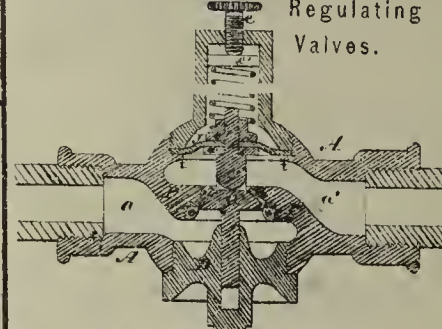
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of Bayonets



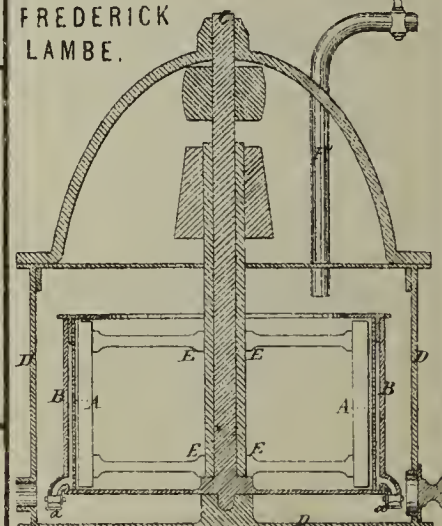
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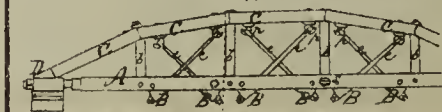
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4,397. Purifying Paraffine
FREDERICK
LAMBE.

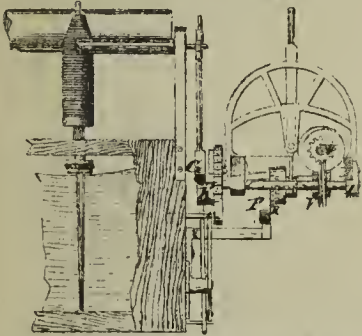


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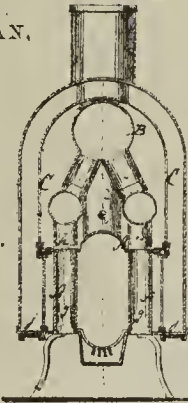


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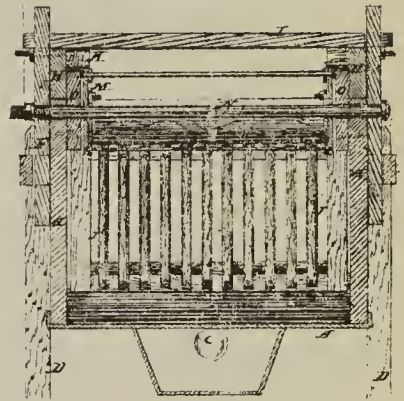
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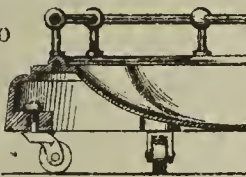
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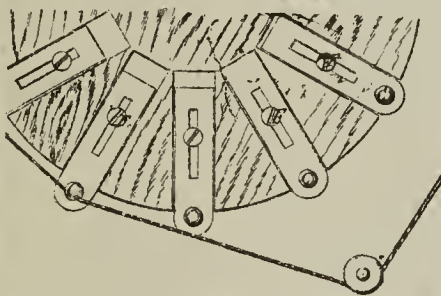
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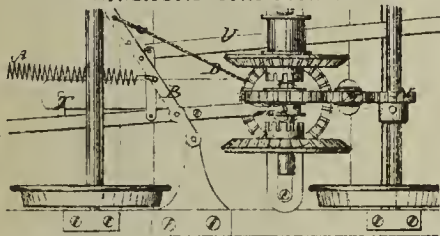
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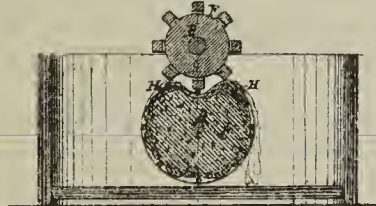
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WILLIAM BOND.



115,266 ARTHUR AMORY.
RAILROAD-CAR STARTERS.



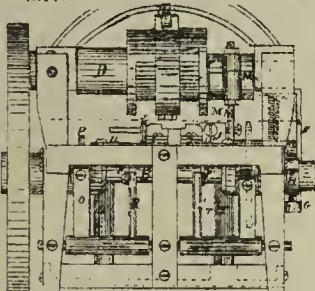
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115,277 REMUS D. BURR.
GLOVES.



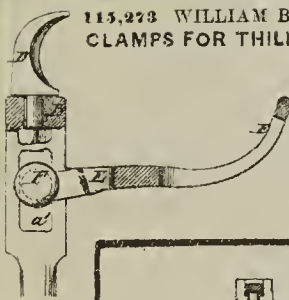
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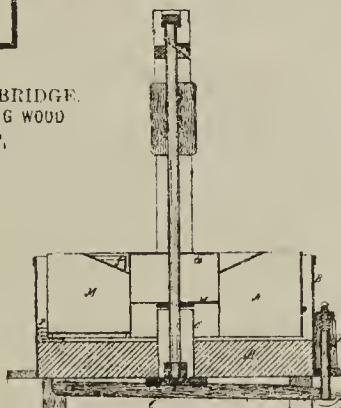
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-SCALES.



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CLAMPS FOR THILL-COUPINGS.

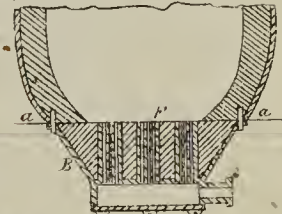


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CONVERTING WOOD
INTO PULP.

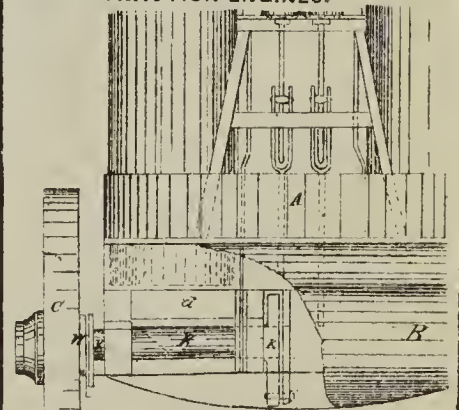


115,279 GEORGE A. BURROUGH.
MANUFACTURE OF ARTICLES OF ENAMELED METALS.

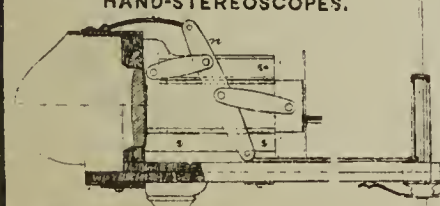
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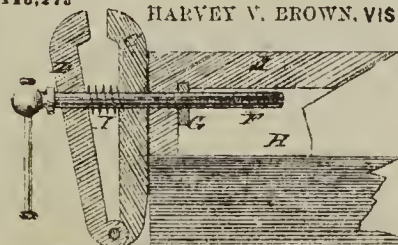
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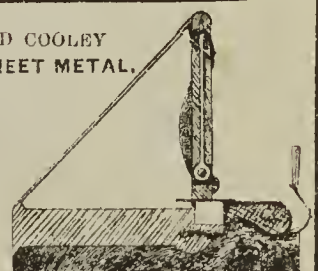
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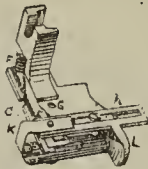
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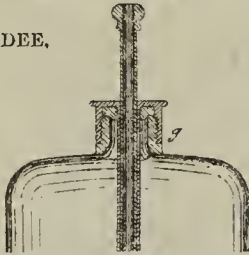
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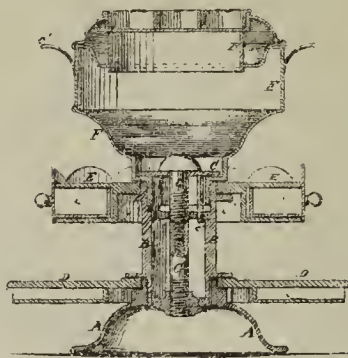
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HEMMERS FOR SEWING
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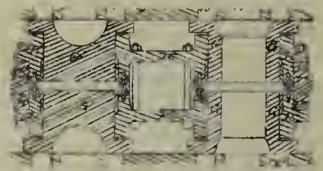
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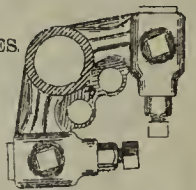
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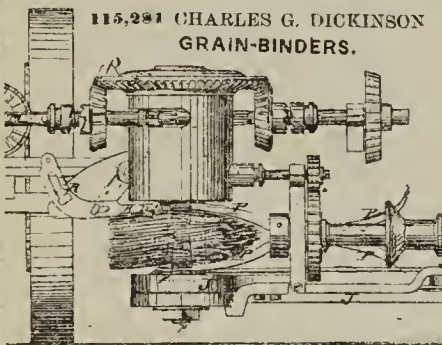
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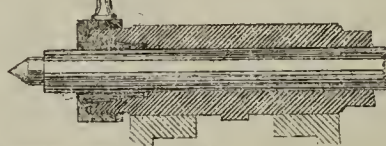
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ISAAC WILLIAM FORBES



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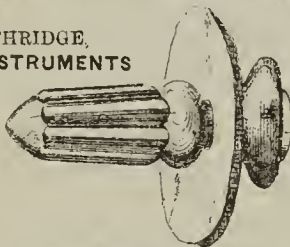
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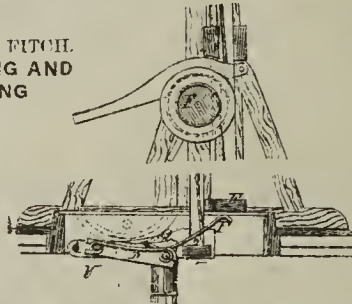
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SURGICAL INSTRUMENTS

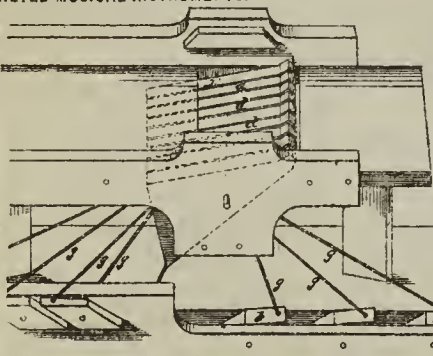


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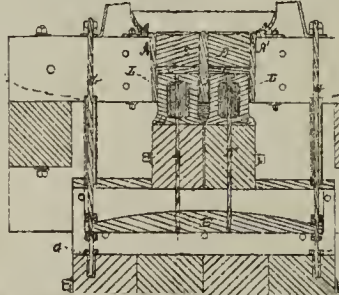


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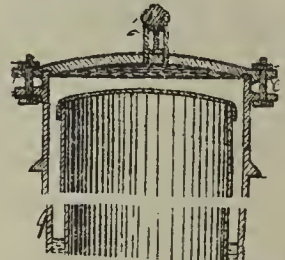


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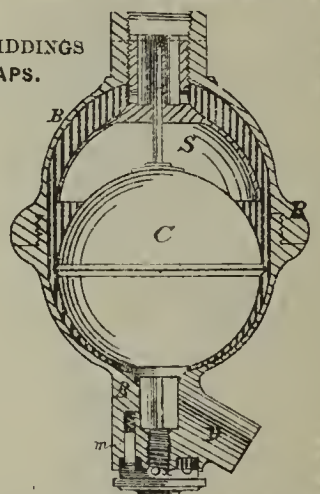


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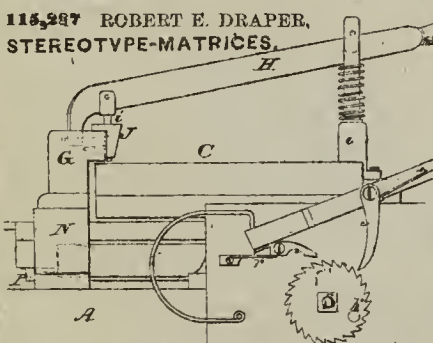
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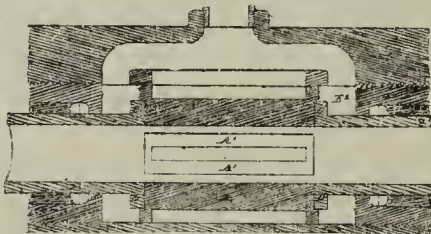
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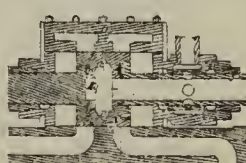
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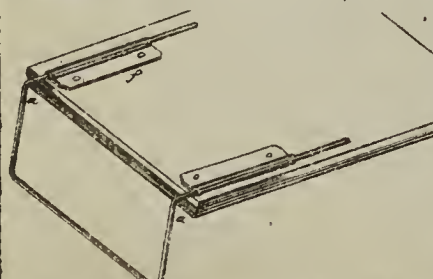
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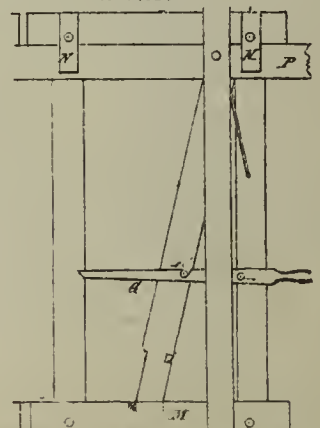
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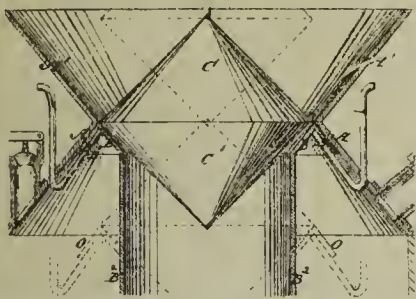
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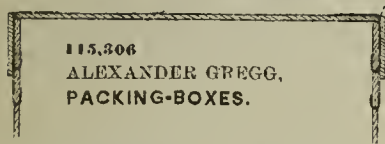
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115,305 LEVEN S. GOODRICH.
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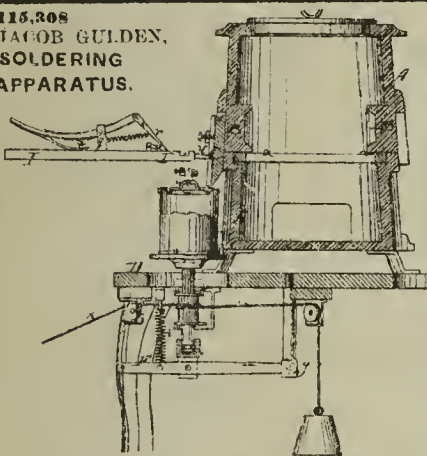
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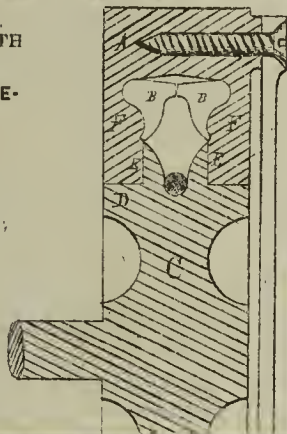
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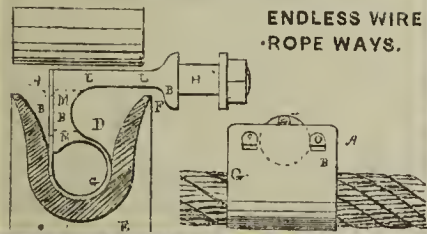
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SOLDERING
APPARATUS.



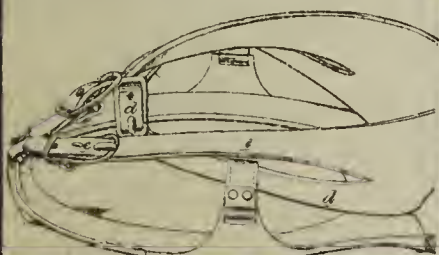
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HALLIDIE,
ENDLESS WIRE-
ROPE WAYS.



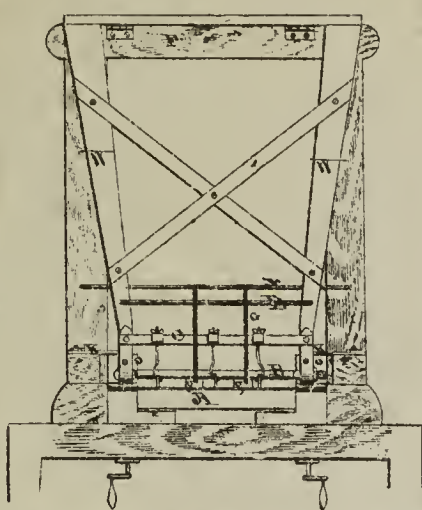
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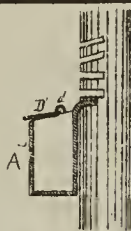
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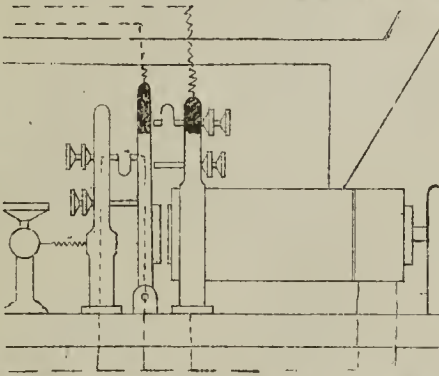
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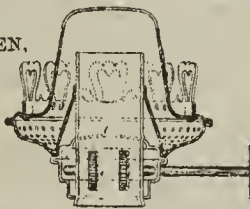
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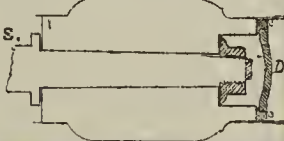
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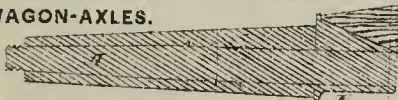
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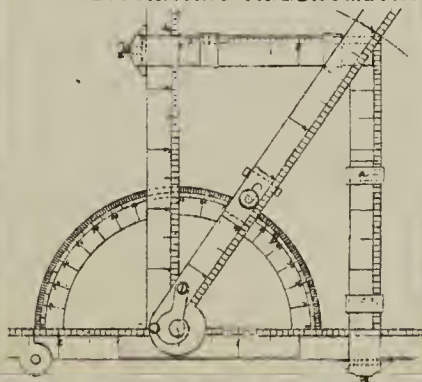
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ATTACHING
CAPS TO HUBS.



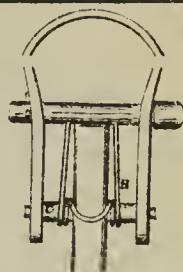
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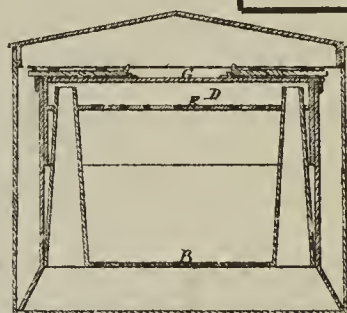
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ILLUSTRATING TRIGONOMETRY



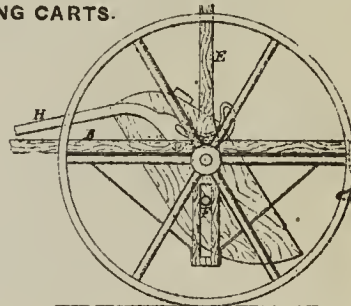
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115,320
MARCUS L. HORTON,
WASH-BOILERS.



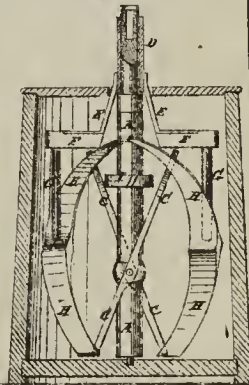
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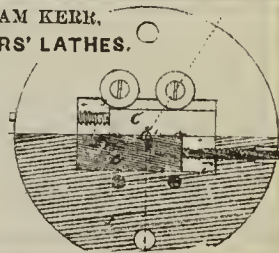
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H. A. HUMPHREY.
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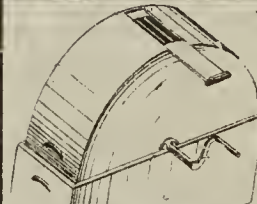
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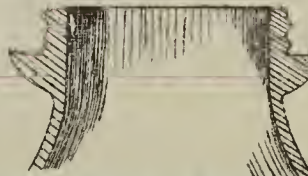
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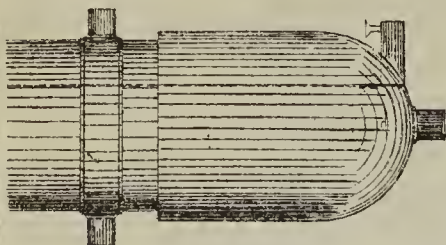
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BENJAMIN KINNE,
WASHING-
MACHINES.



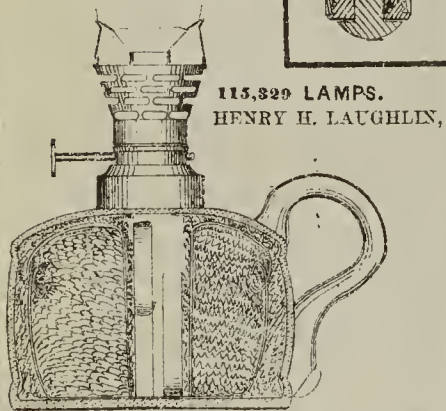
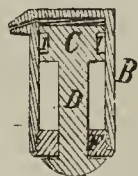
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KIRCHNER,
GLASS JARS.



115,327 WILLIAM F. LADD,
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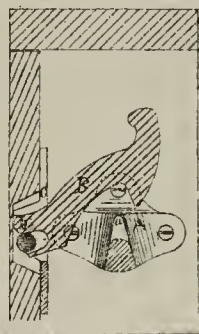


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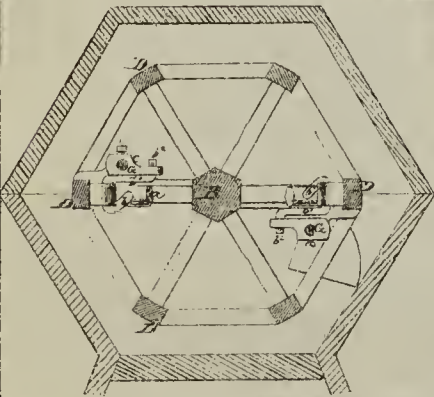


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HENRY H. LAUGHLIN,

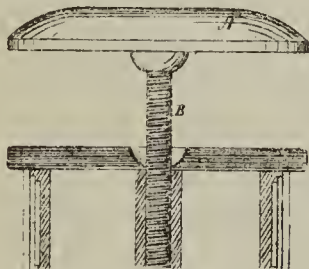
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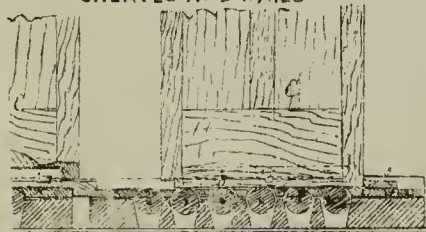
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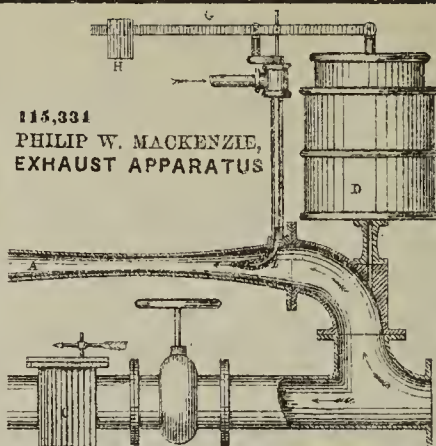
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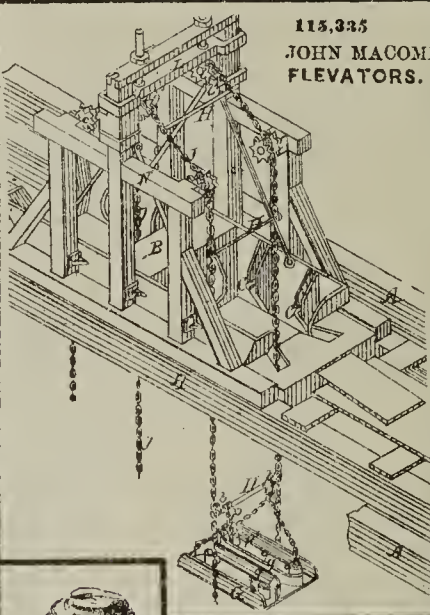
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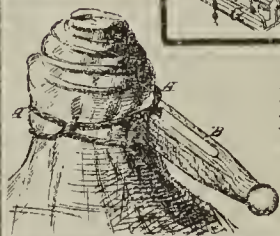
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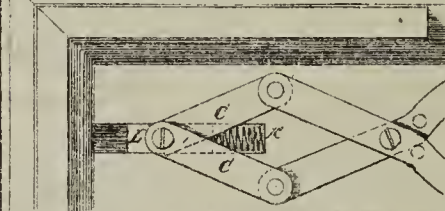
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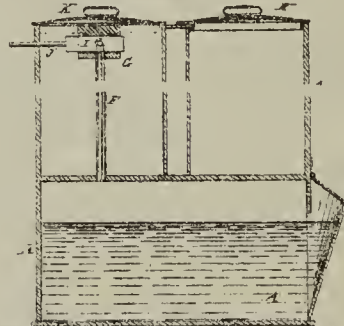
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MARKHAM,
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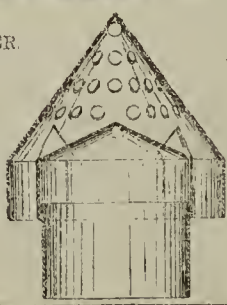
115,337 EUGENE MCNIEL,
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115,338 FREDERICK MEYER,
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115,339
BENJAMIN F. MILLER,
VENTILATORS.



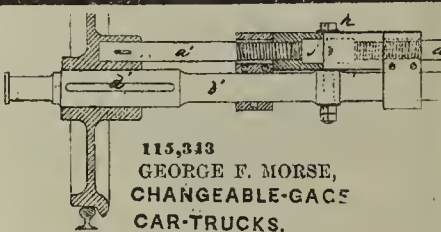
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WILLIAM MILLER,
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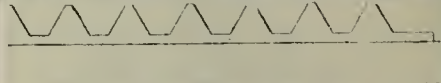
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CHANGEABLE-GAGE
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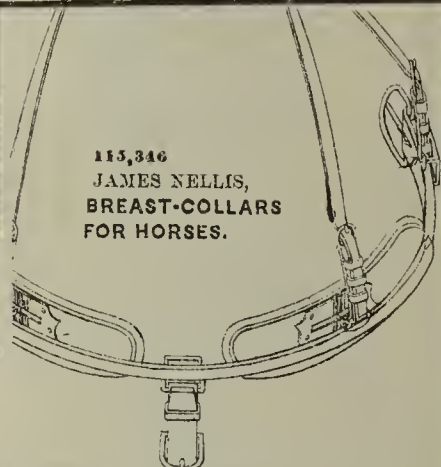
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DRAINERS FOR TUMBLERS



115,345 PETER W. NEEFUS, DOOR-MATS



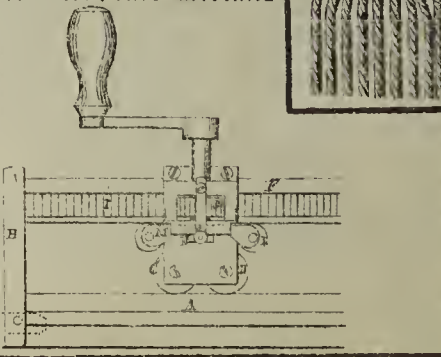
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JAMES NELLIS,
BREAST-COLLARS
FOR HORSES.



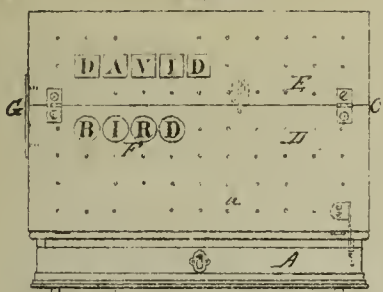
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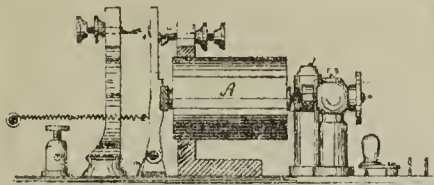
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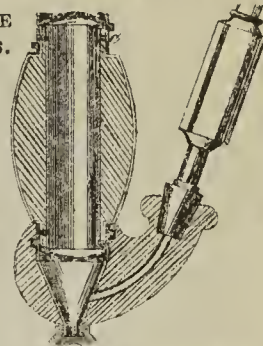
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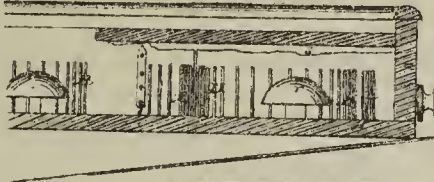
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115,363 WILLIAM G. RUGE, TOBACCO-PIPES.



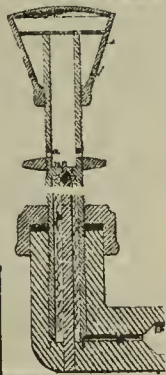
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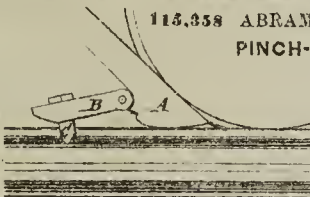
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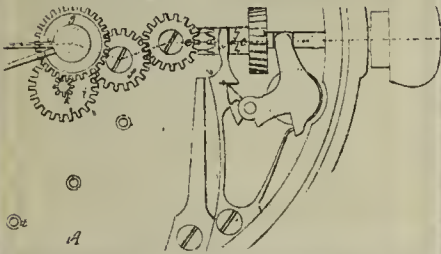
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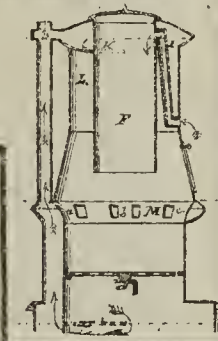
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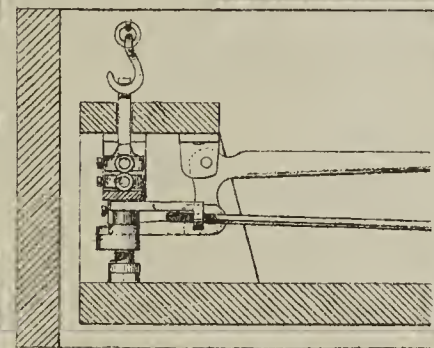
115,351 EDWIN HATHAWAY PERRY, STEM-WINDING WATCHES.



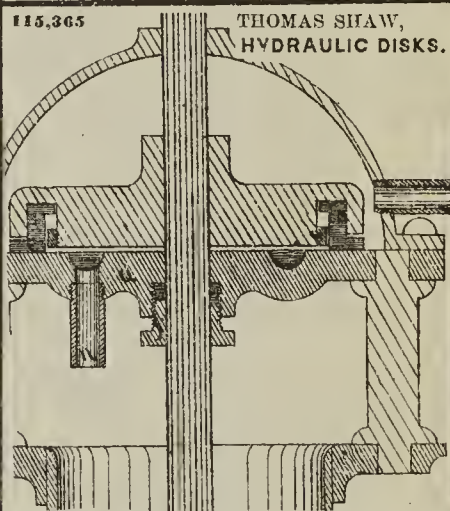
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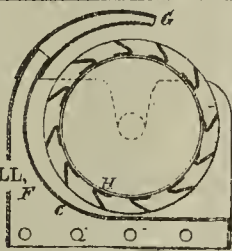
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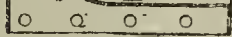
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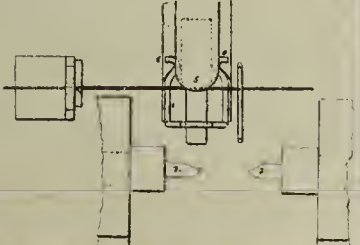
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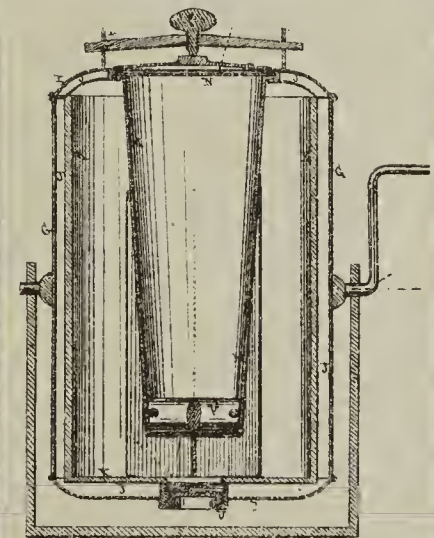
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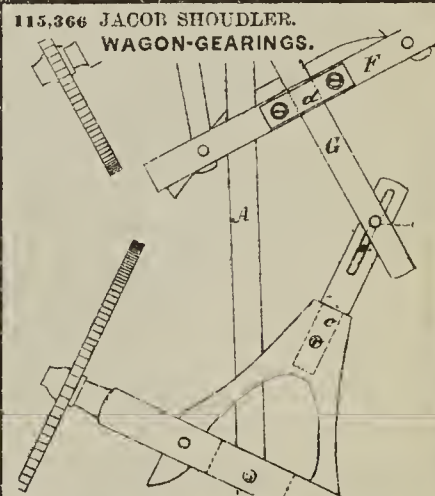
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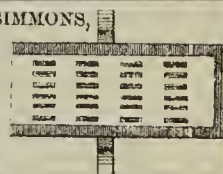
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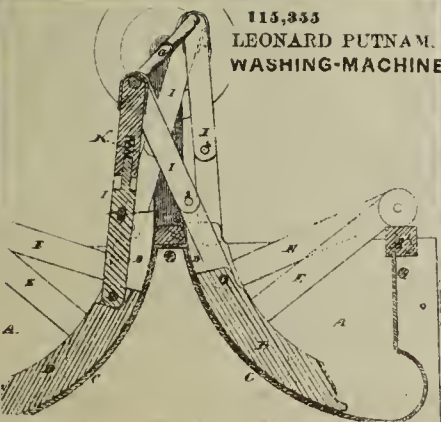
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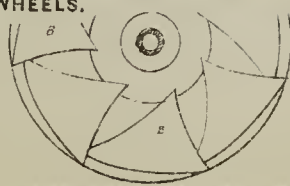
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115,355 LEONARD PUTNAM, WASHING-MACHINE



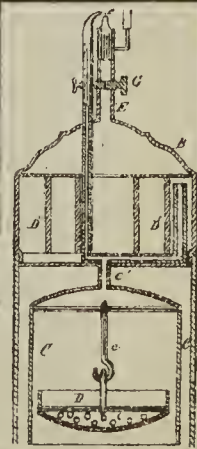
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115,368 DANIEL WEBSTER SIMMONS, CARPENTERS' GAGES.



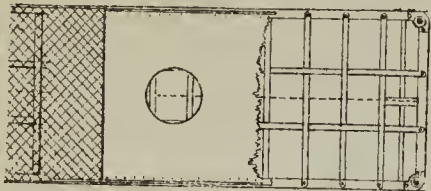
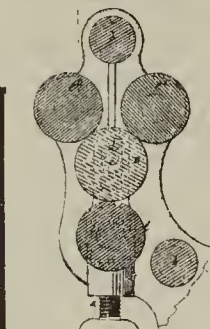
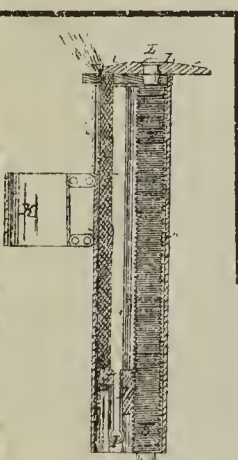
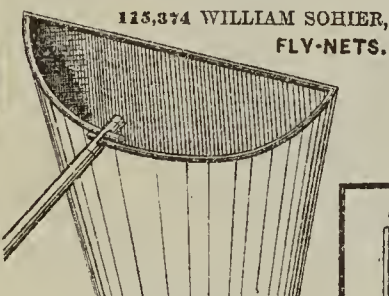
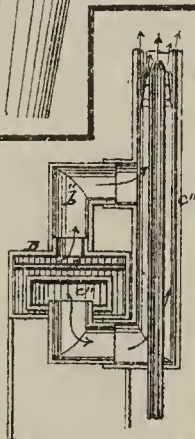
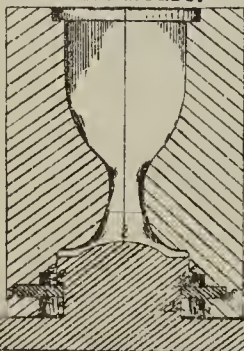
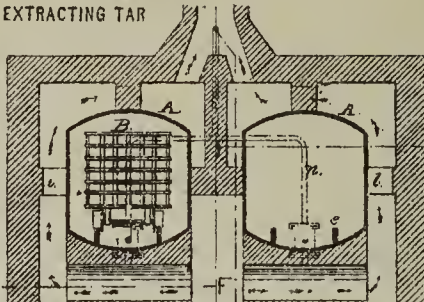
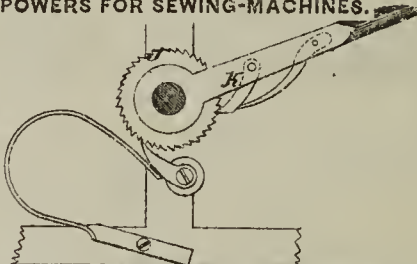
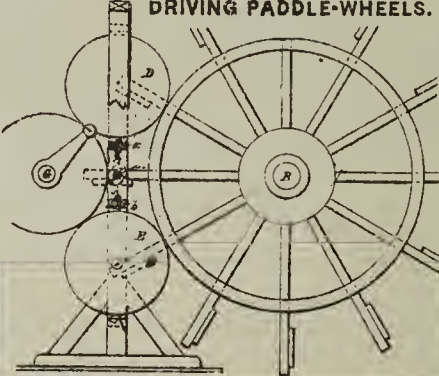
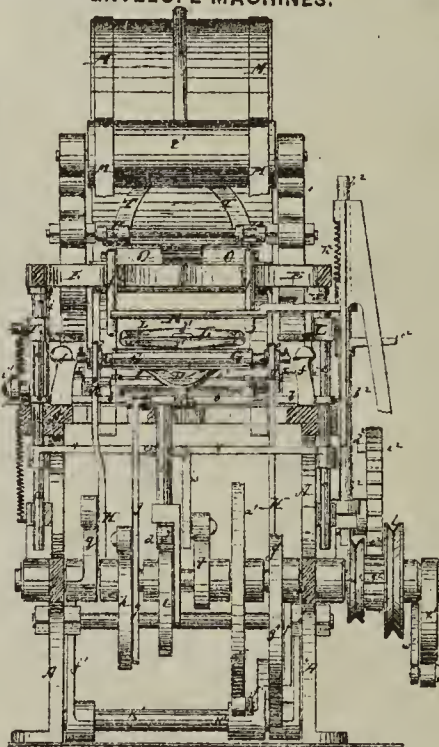
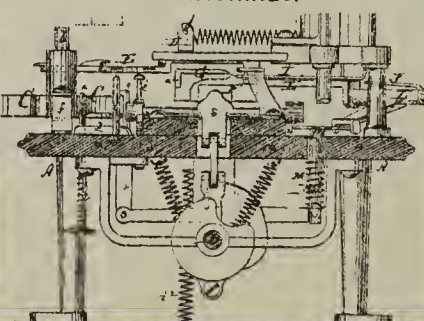
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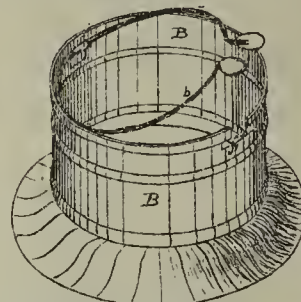
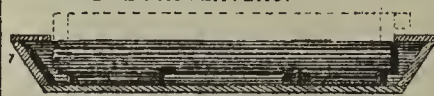
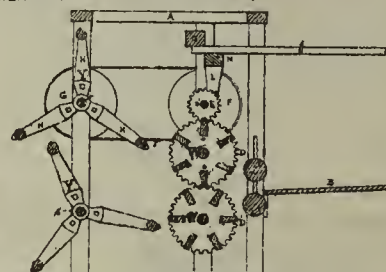
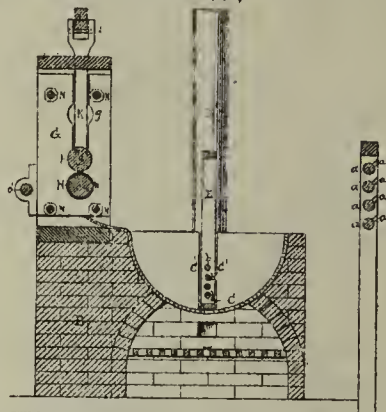
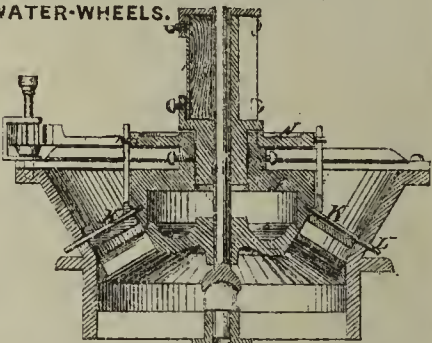
115,370 DEXTER SMITH, SHOT-GUNS.



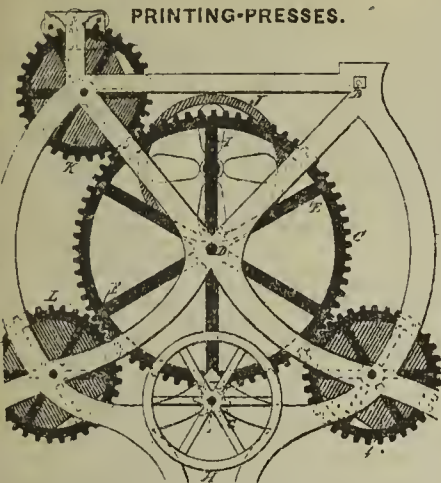
115,371 GEORGE SMITH, BEDSTEADS.

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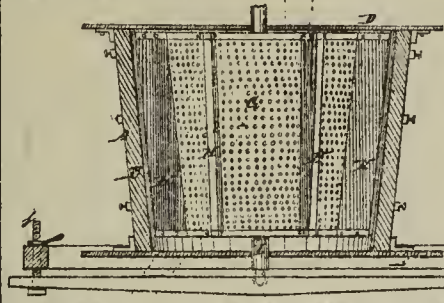
115,383 PHILO SYLLA, DESKS OR SEATS.

115,385 AUGUSTUS E. TAYLOR,
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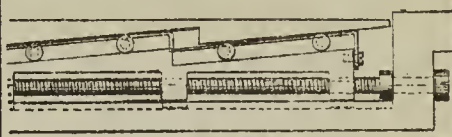
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115,397 THOMAS WALLACE,
SMUT-MACHINES.



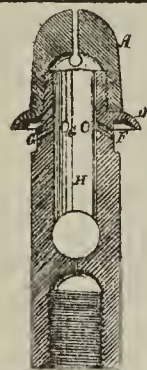
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PRINTERS' FURNITURE.



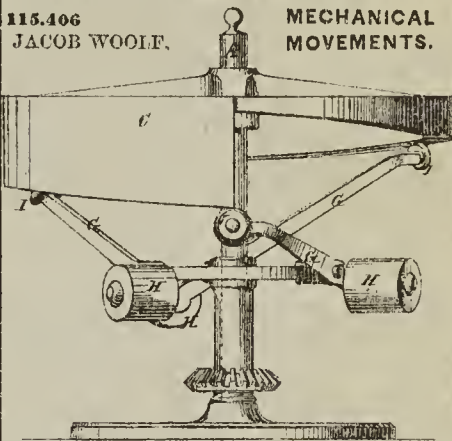
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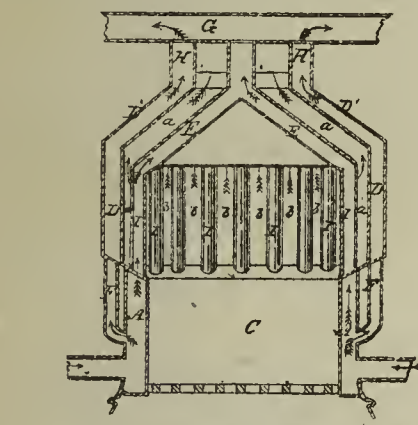
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VAPOR-BURNERS.



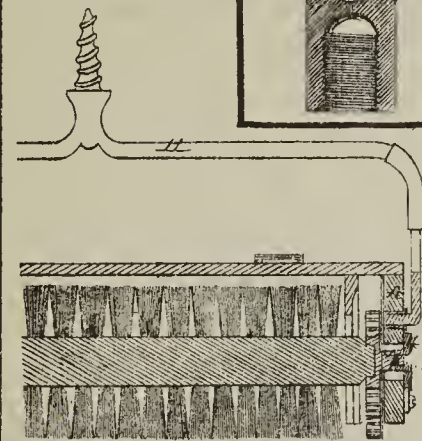
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MECHANICAL
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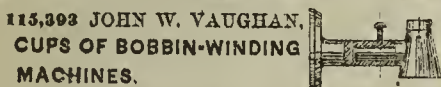
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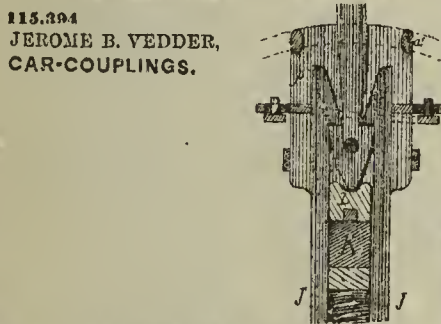
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CARPET-SWEEPERS.



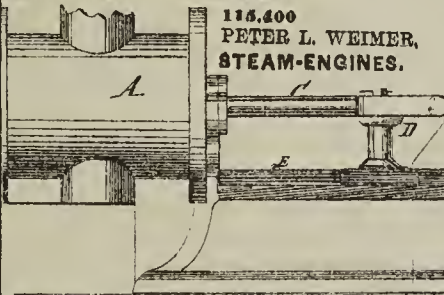
115,393 JOHN W. VAUGHAN,
CUPS OF BOBBIN-WINDING
MACHINES.



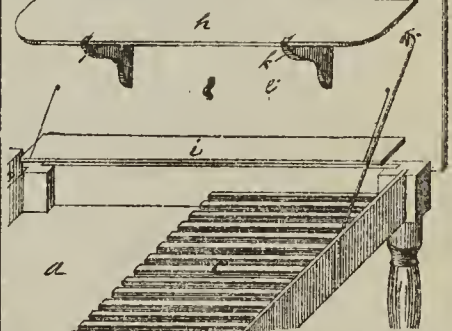
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CAR-COUPINGS.



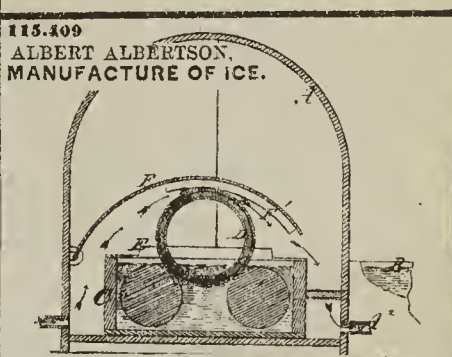
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115,408 JOHN WYLIE, TABLE-SINKS.



115,407 ANN E. WRIGHT,
REMEDIES FOR WORMS.

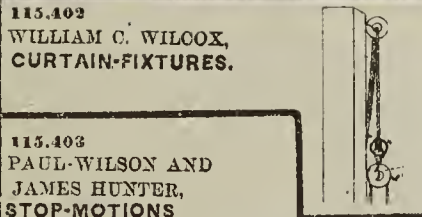


115,409 ALBERT ALBERTSON,
MANUFACTURE OF ICE.

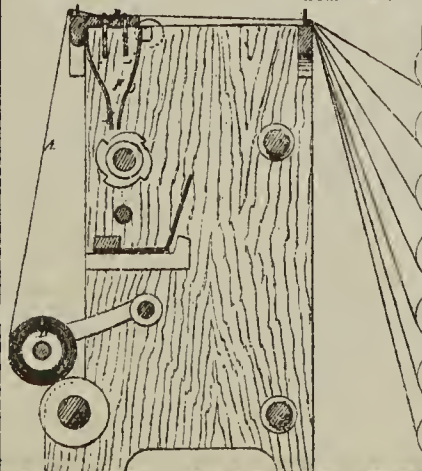
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PLANING-MACHINES.



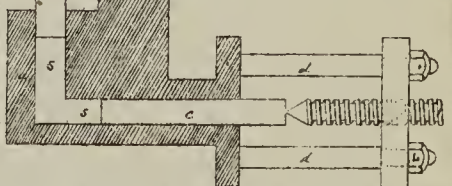
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CURTAIN-FIXTURES.



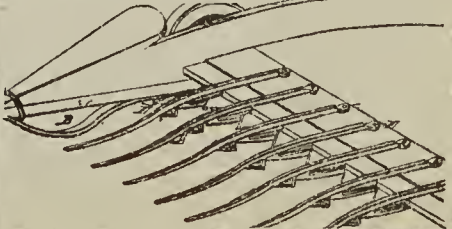
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JAMES HUNTER,
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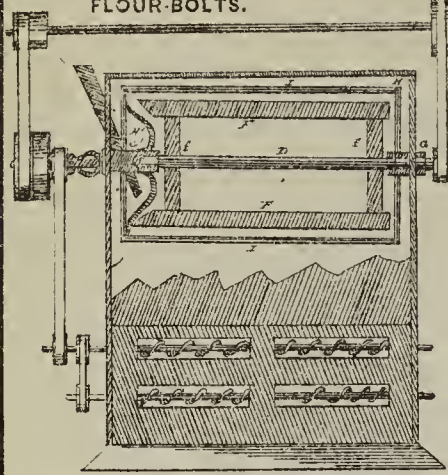
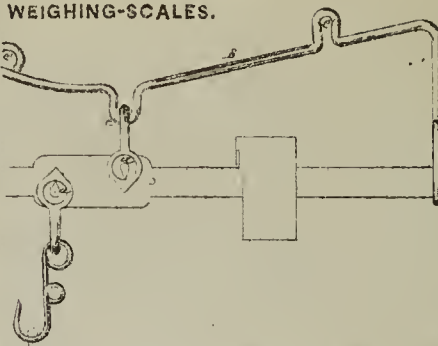
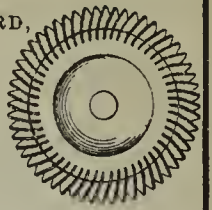
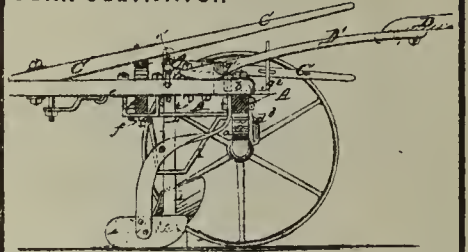
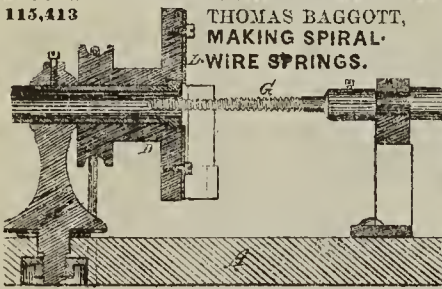
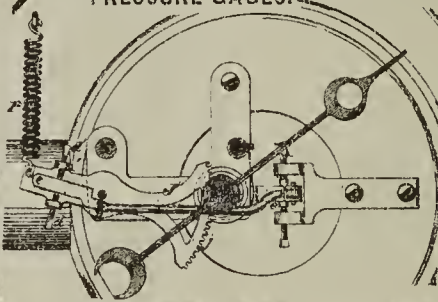
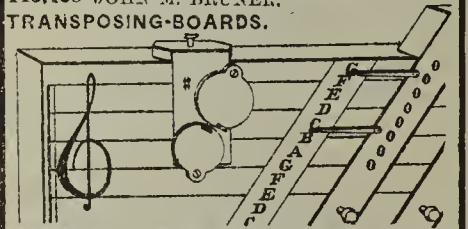
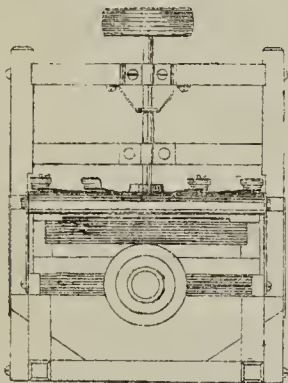
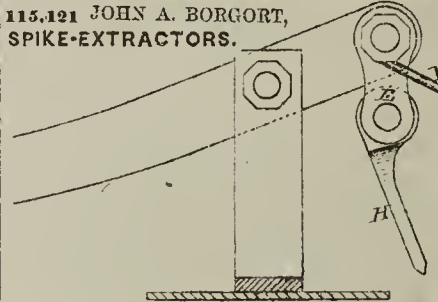


115,410 SOLOMON A. ALEXANDER,
SPRING-ADJUSTERS.

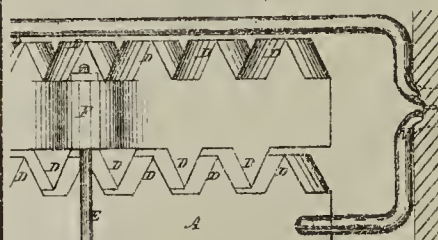
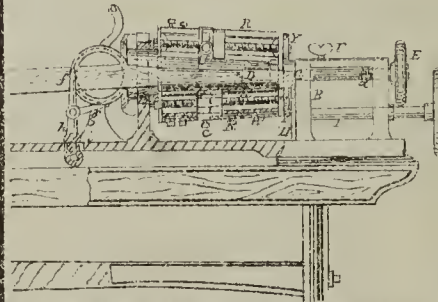
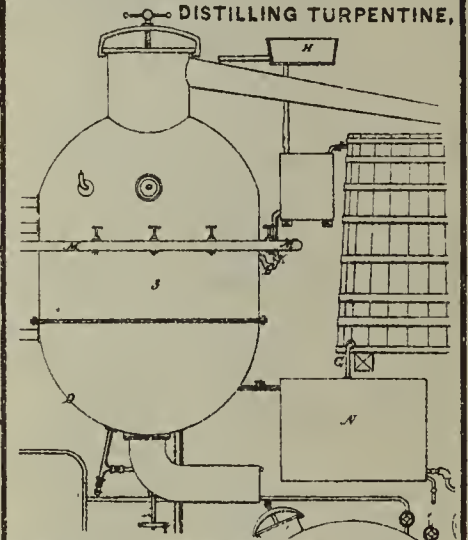
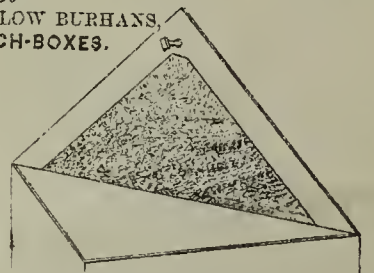
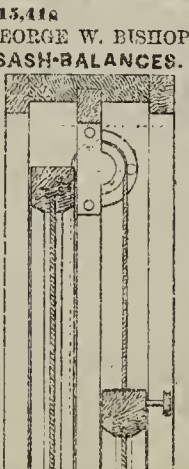
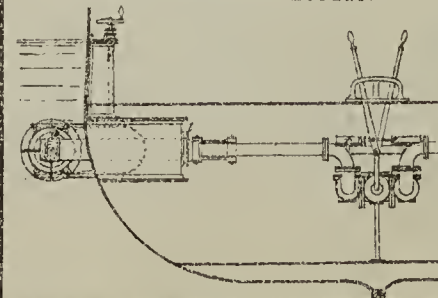
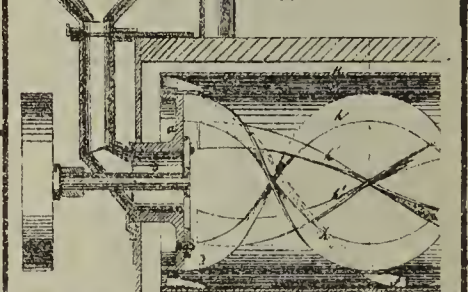


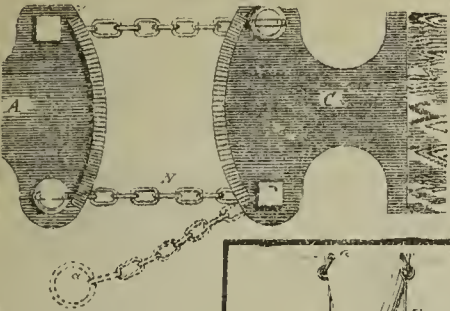
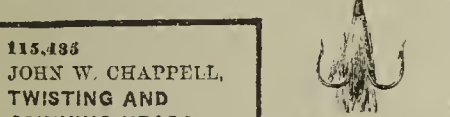
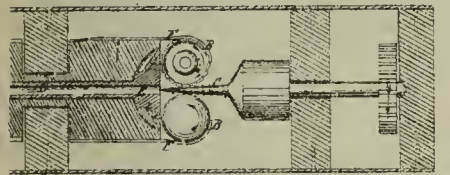
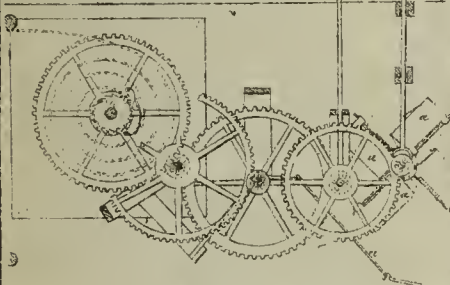
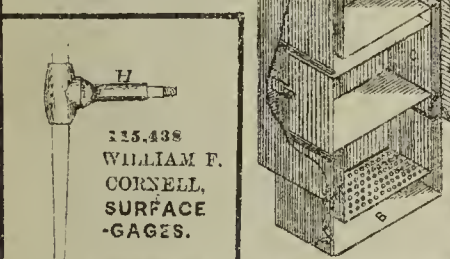
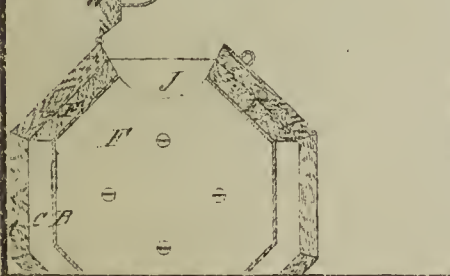
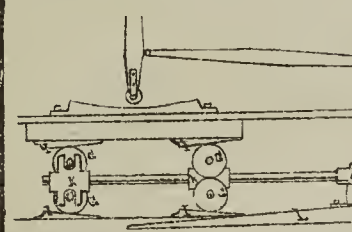
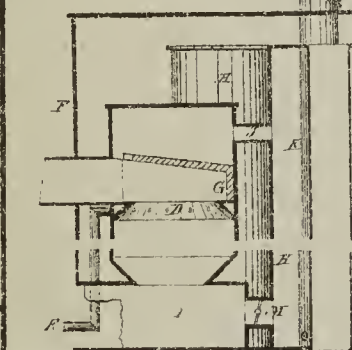
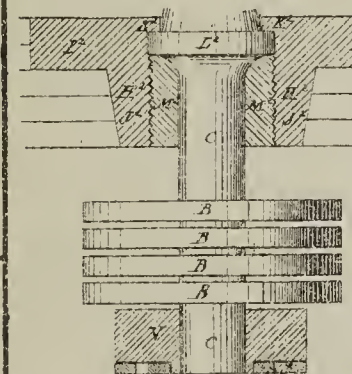
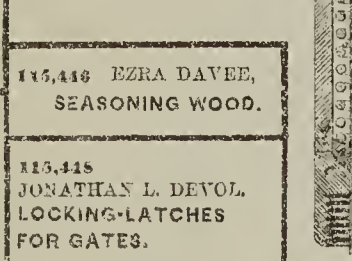
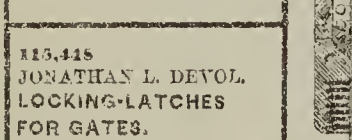
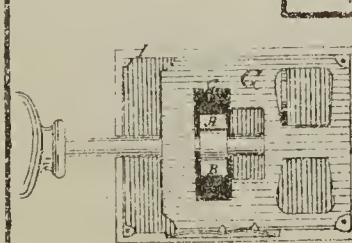
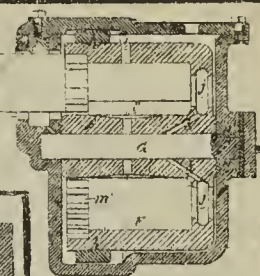
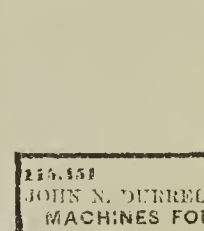
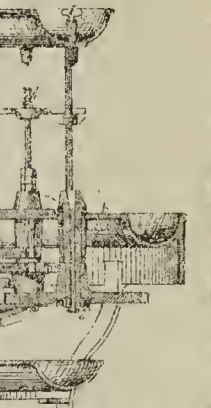
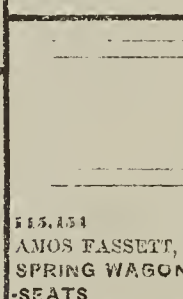
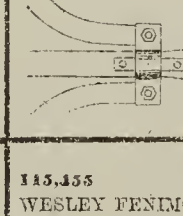
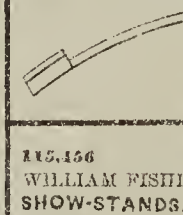
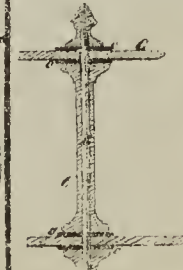
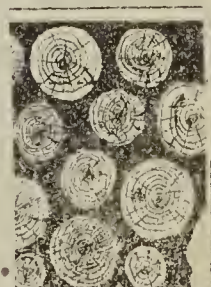
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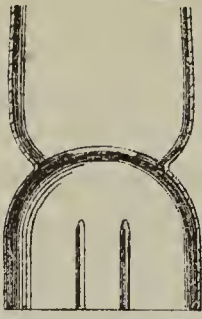
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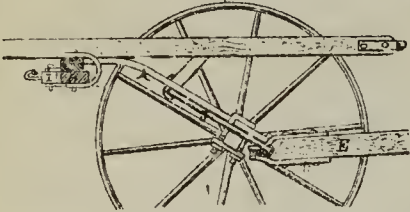
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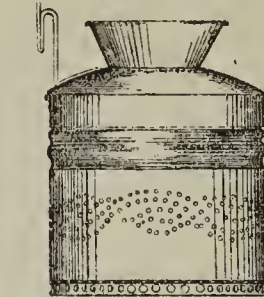
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HOGARTH,
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115,460

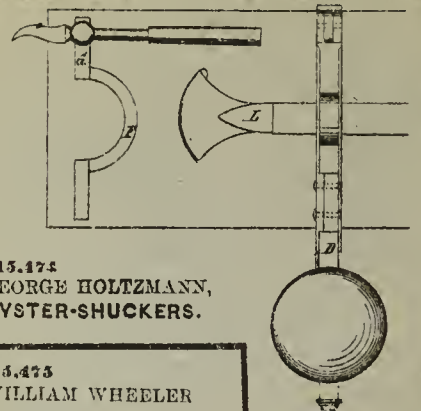
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CULTIVATORS.



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HIRAM W. HAYDEN,
LAMP-BURNERS.



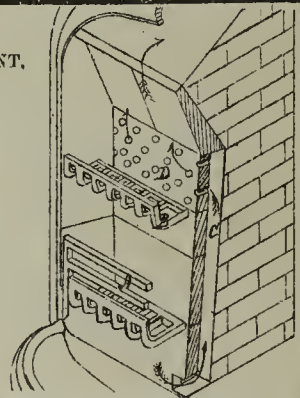
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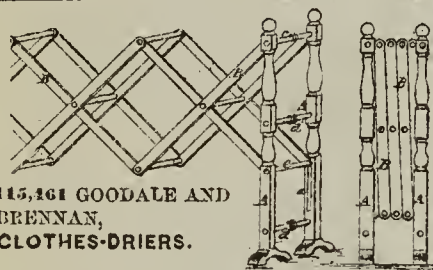
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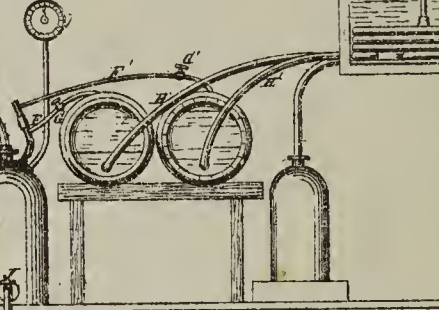
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JAMES G. HUNT,
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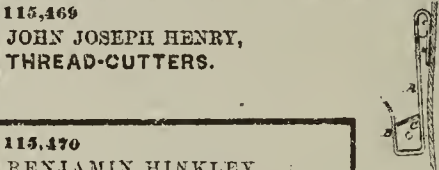
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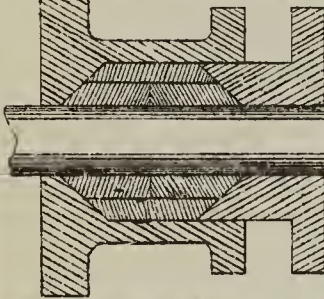
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PRESERVING BEER



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JOHN JOSEPH HENRY,
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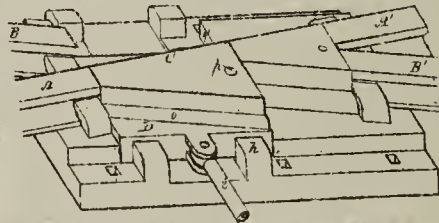


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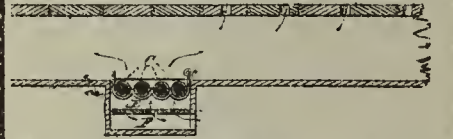


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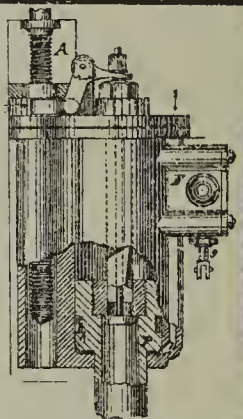
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BENJAMIN HINKLEY,
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115,477 ALBERT L. IDE, STEAM-HEATERS



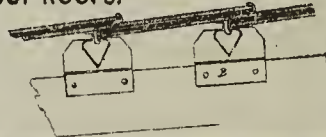
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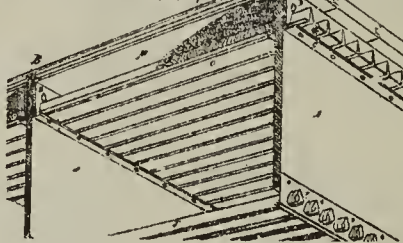
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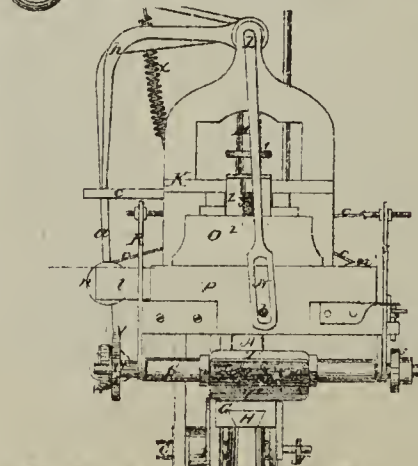
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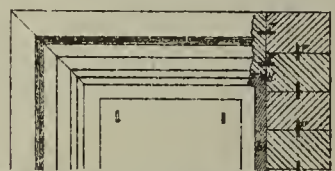
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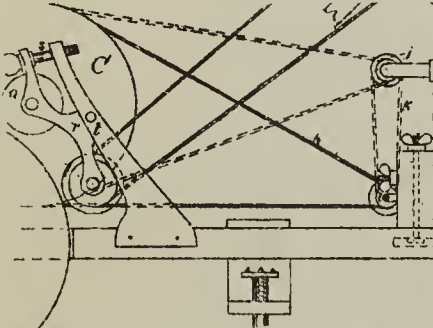
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WHITENING AND SHAVING SKINS



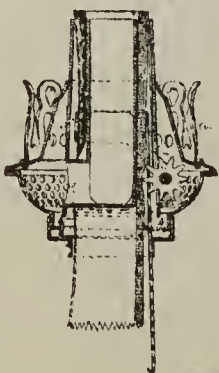
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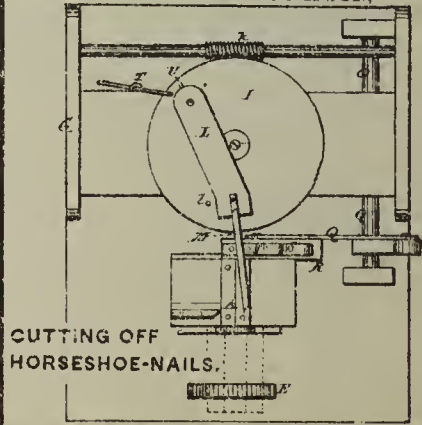
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HAND-SPINNING



115,467
JOHN HEBERLING,
COFFEE-POTS.

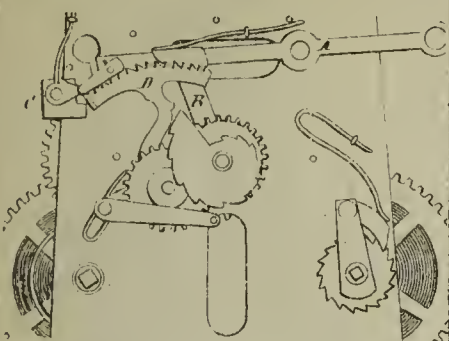


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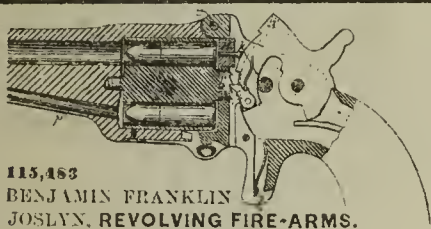
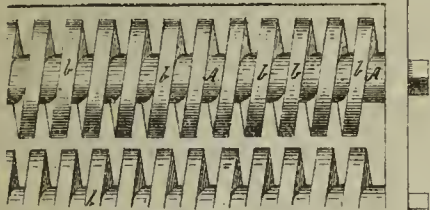


CUTTING OFF
HORSESHOE-NAILS.

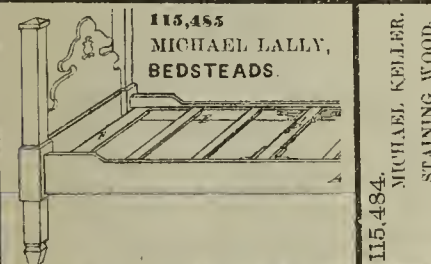
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STRIKING MECHANISMS OF CLOCKS.



115,482 JAMES JONES,
ROCKING-GRATE BARS.

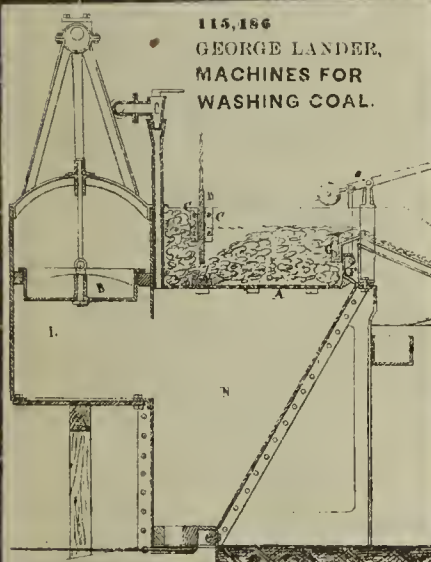


115,483 BENJAMIN FRANKLIN
JOSLYN, REVOLVING FIRE-ARMS.



115,485 MICHAEL LALLY,
BEDSTEADS.

115,484. MICHAEL KELLER.
STAINING WOOD.

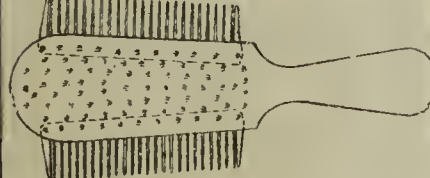


115,486 GEORGE LANDER,
MACHINES FOR
WASHING COAL.

115,487 SKATES.
BEECHER M. LANK.



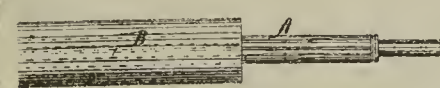
115,488 TOLBERT LANSTON.
COMBS AND BRUSHES.



115,489 WILLIAM AUGUSTUS LEGGO.
GRANULATED PHOTOGRAPHS.

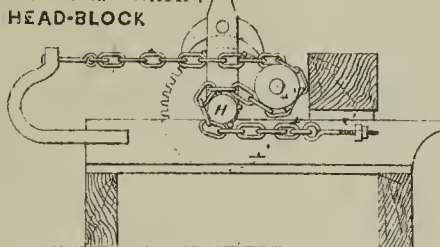
115,490 WILLIAM AUGUSTUS LEGGO,
PROCESSES FOR OBTAINING MOLDS FOR
ELECTROTYPING PURPOSES.

115,491 JOHN MAKECHNEY
ROLLERS FOR WRINGERS.

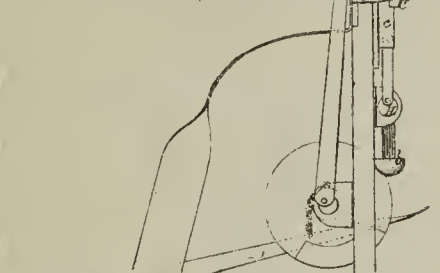


HENRY R. MARTIN,
HEAD-BLOCK

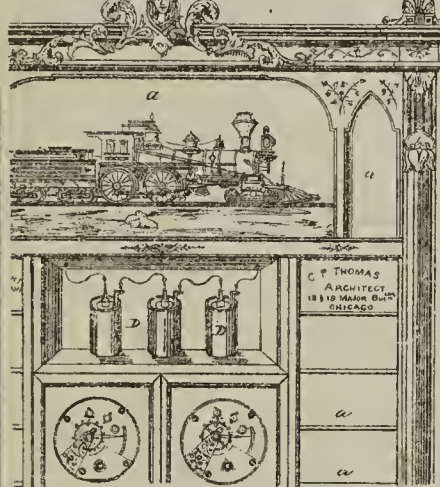
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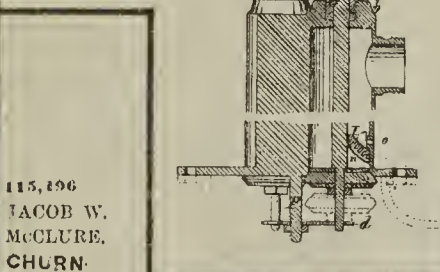
115,493 WILLIAM MAY,
PIERCING SIDE
SEAMS OF BOOTS,



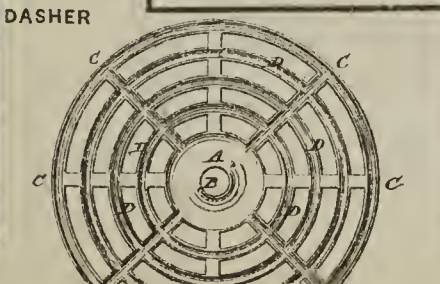
115,494 HARRY W. McALLISTER,
ELECTRIC ADVERTISING
-CABINET.



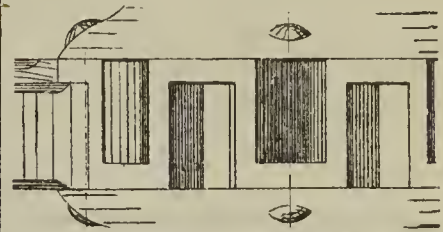
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FIRE-PLUGS.



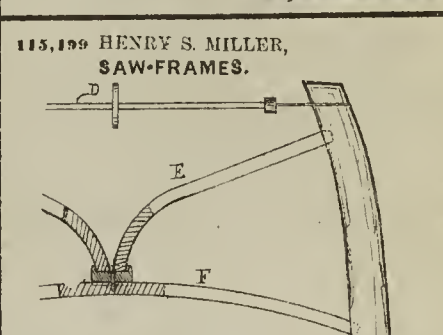
115,496 JACOB W.
McCLURE,
CHURN-
DASHER



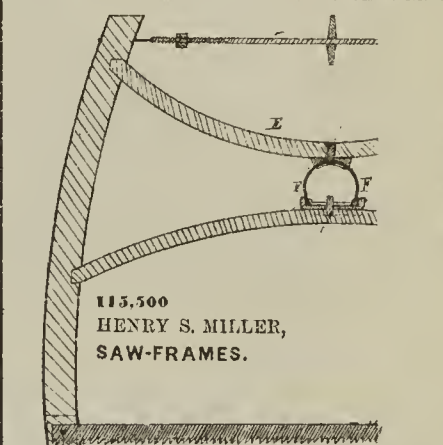
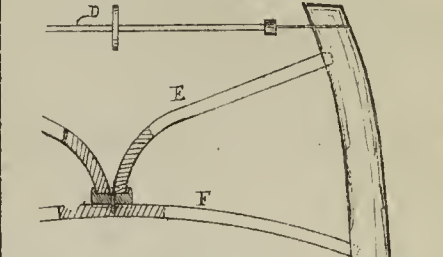
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CARRIAGE-WHEELS.



115,498 ISAAC M. MILBANK,
CARTRIDGES.

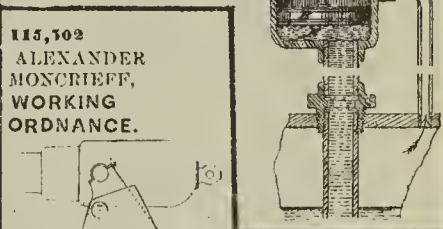


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SAW-FRAMES.

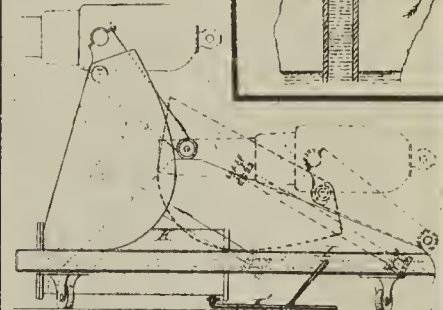


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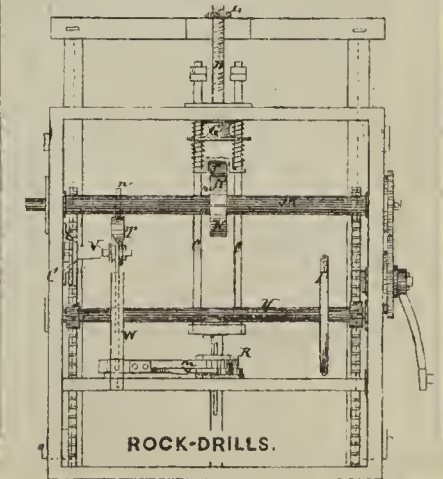
115,501 FRANK MILLWARD,
HIGH-AND-LOW-WATER
INDICATORS



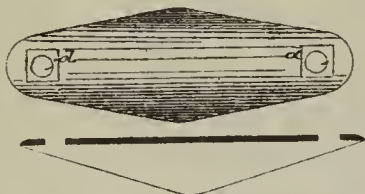
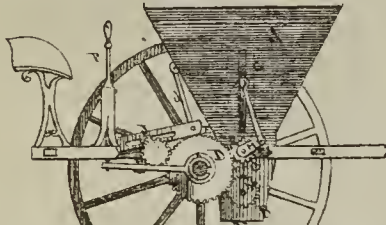
115,502 ALEXANDER
MONCRIEFF,
WORKING
ORDNANCE.



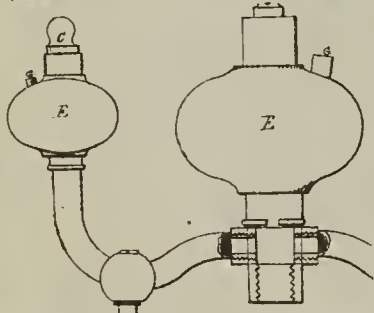
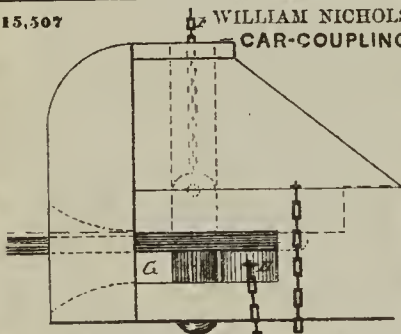
115,503 DUNCAN MORRISON,



ROCK-DRILLS.

115,504 FRANCIS B. MORSE.
FELLY-PLATES.115,505 JOHN A. MORTON.
FERTILIZER-DISTRIBUTERS.

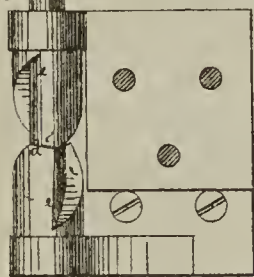
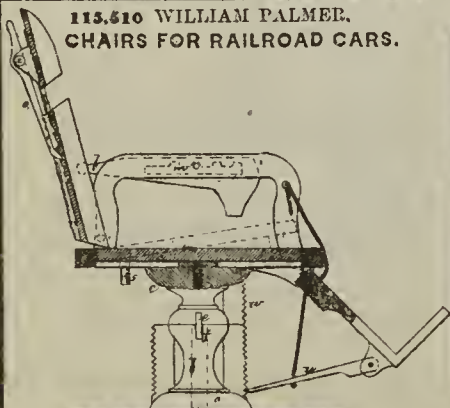
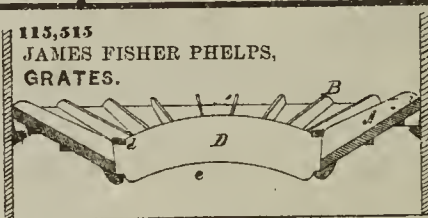
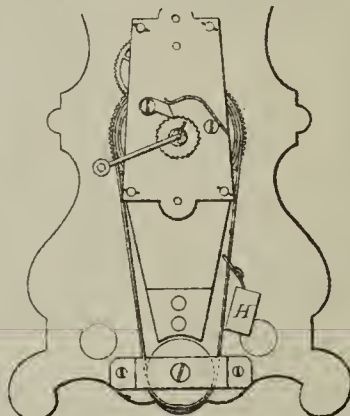
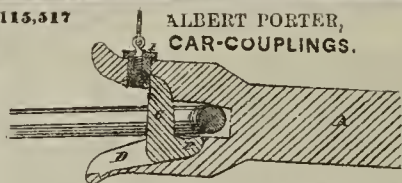
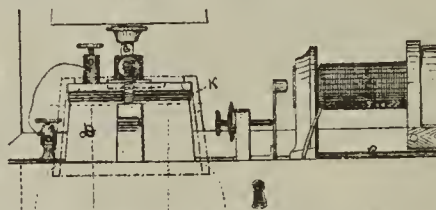
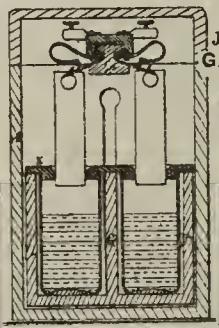
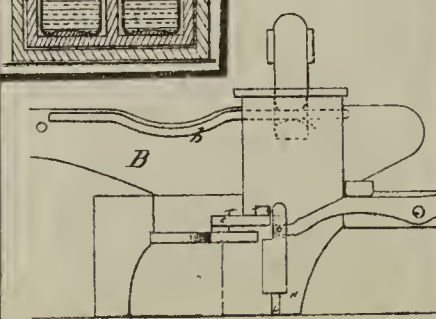
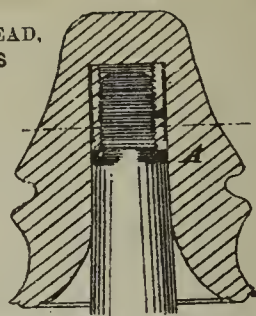
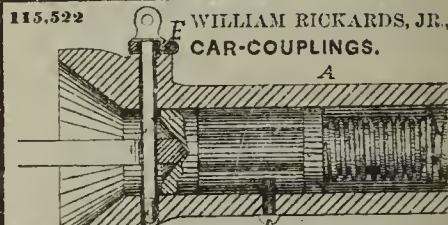
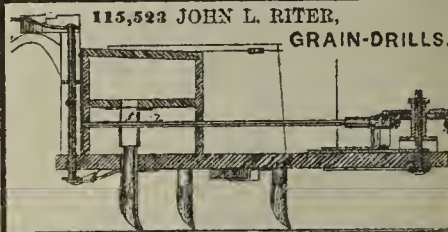
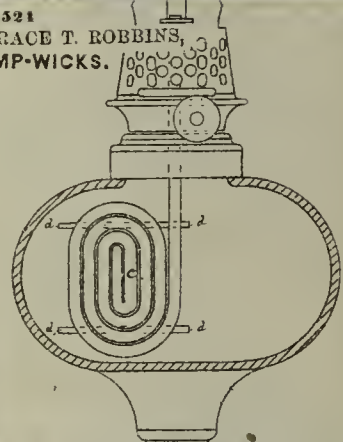
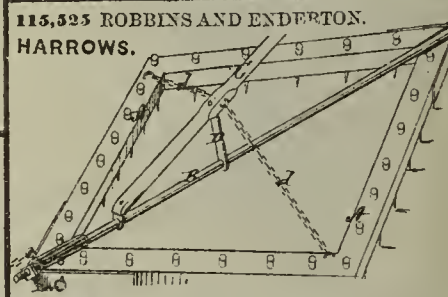
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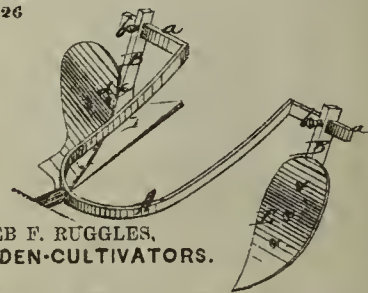
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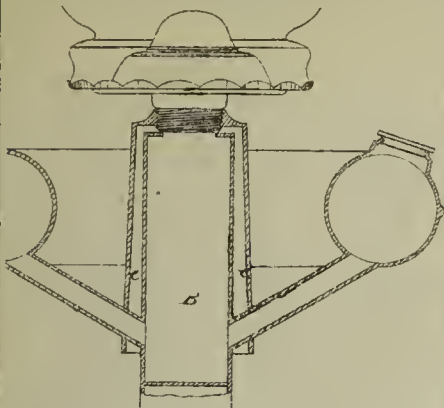
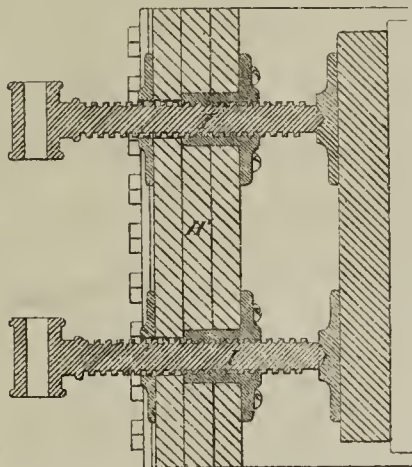
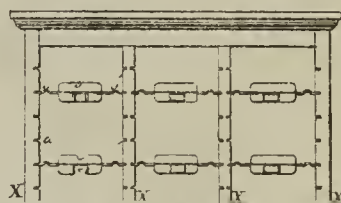
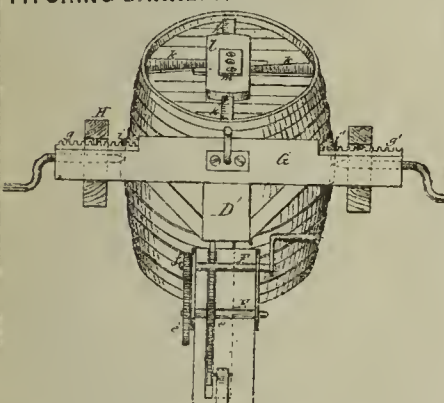
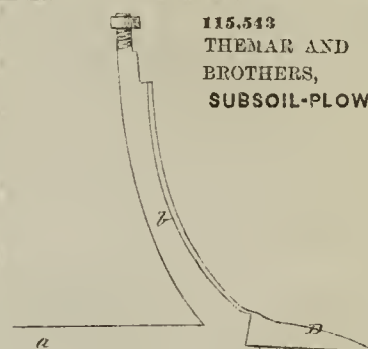
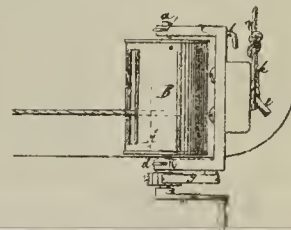
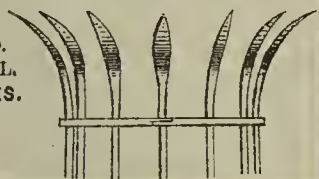
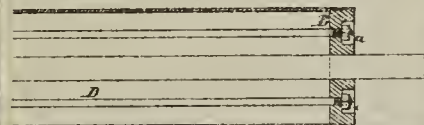
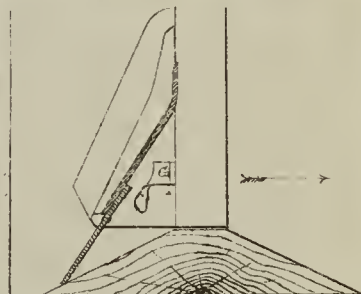
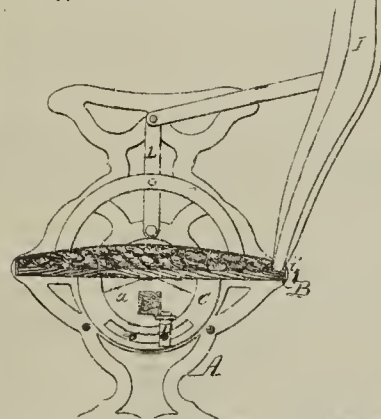
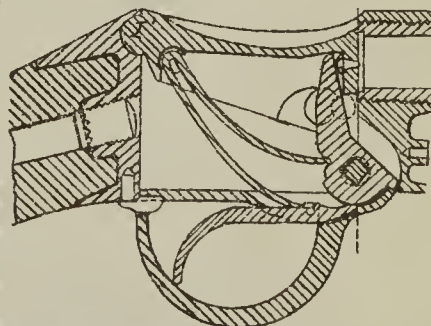
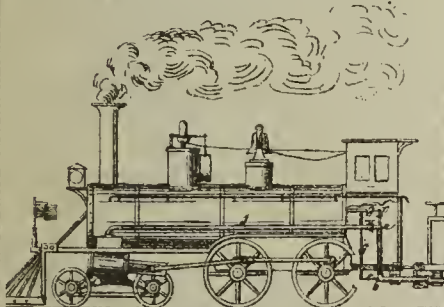
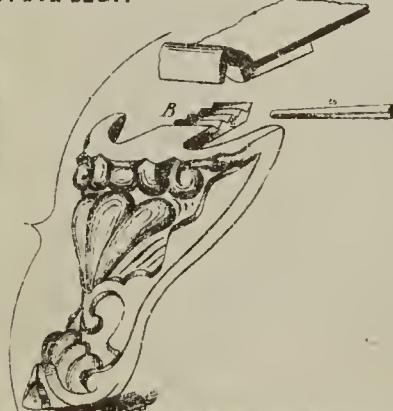
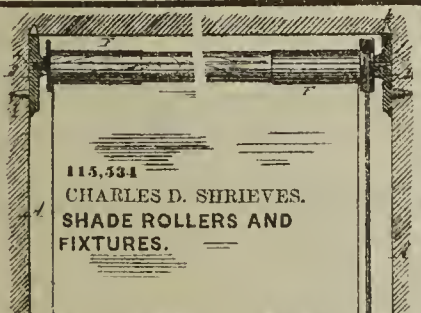
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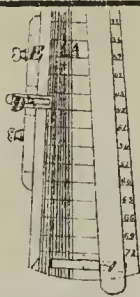
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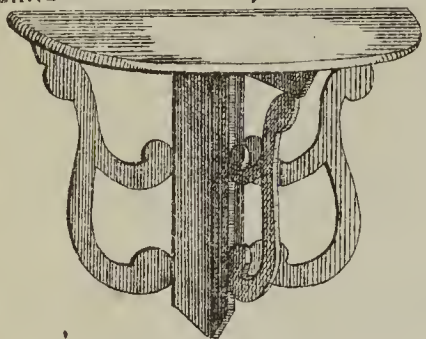
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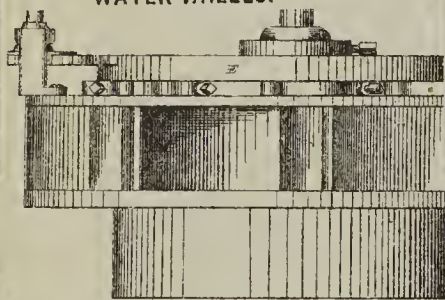
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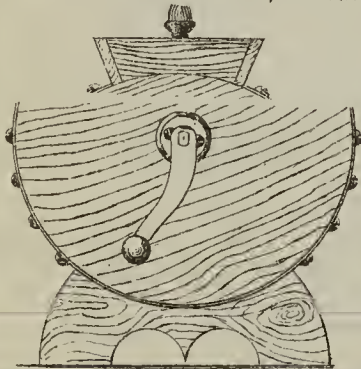
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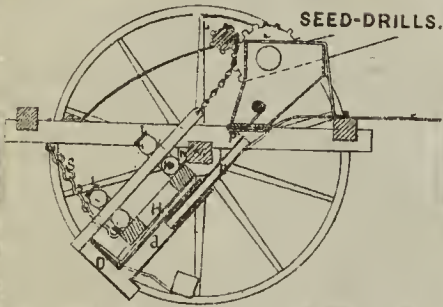
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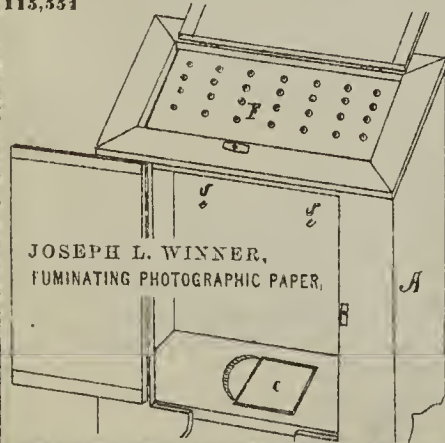
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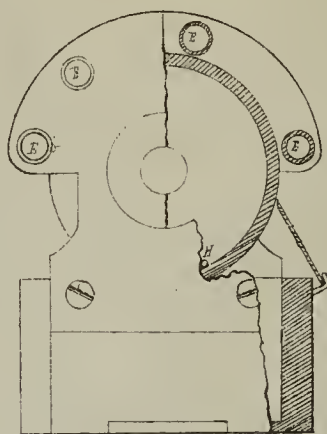


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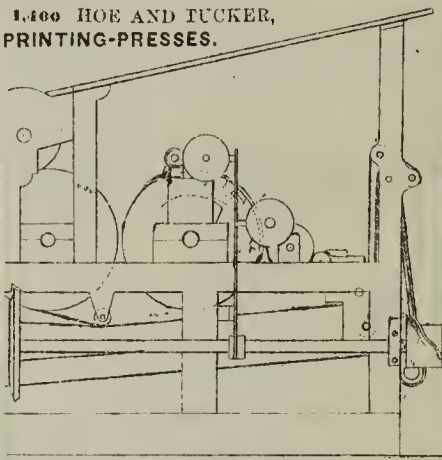


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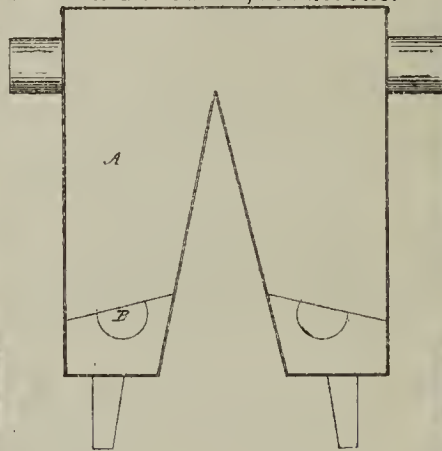
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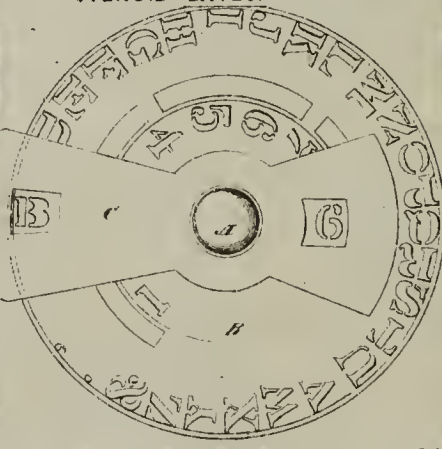
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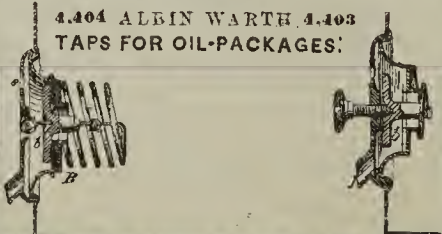
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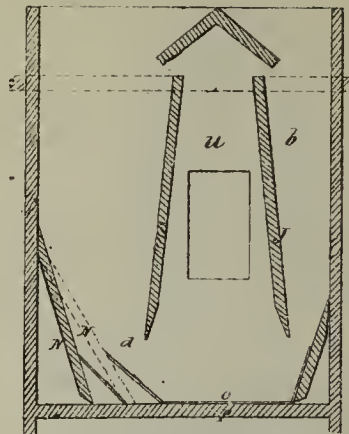
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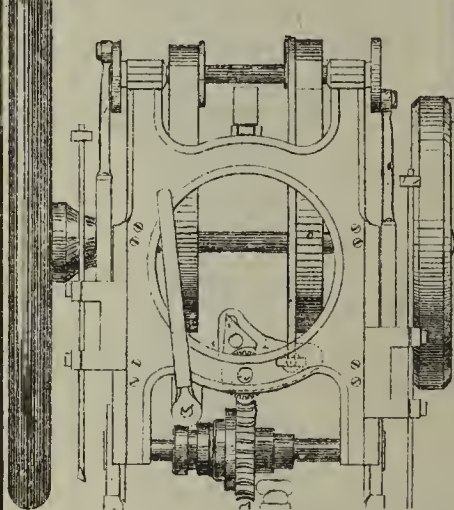
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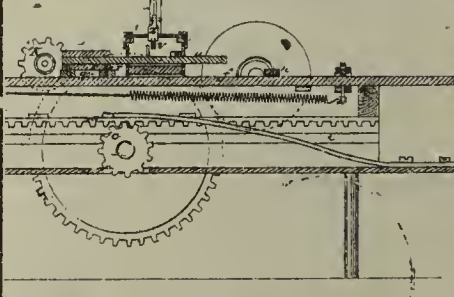
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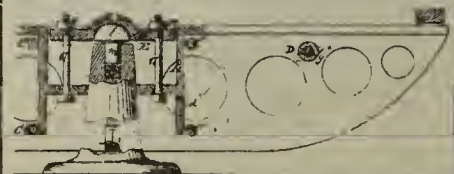
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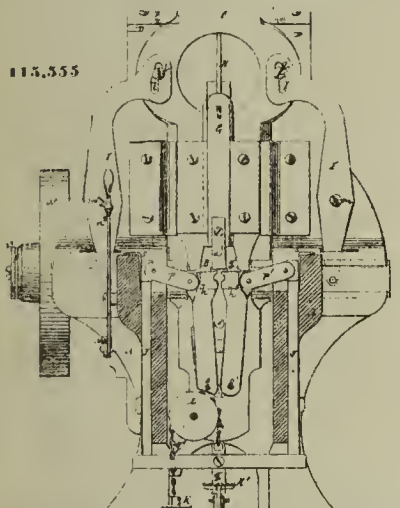


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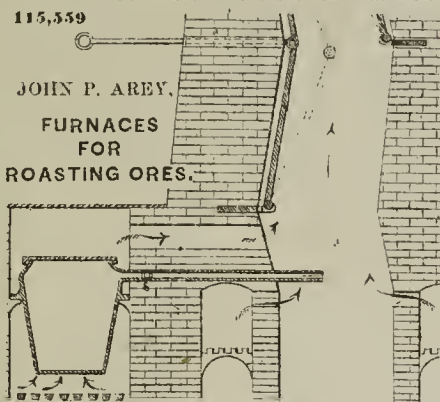
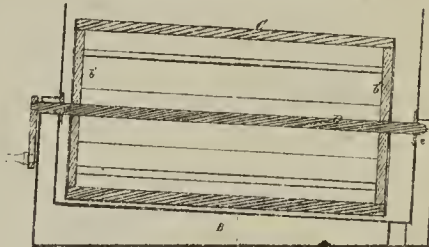
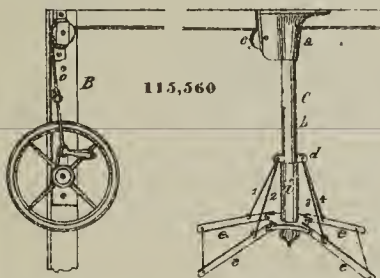
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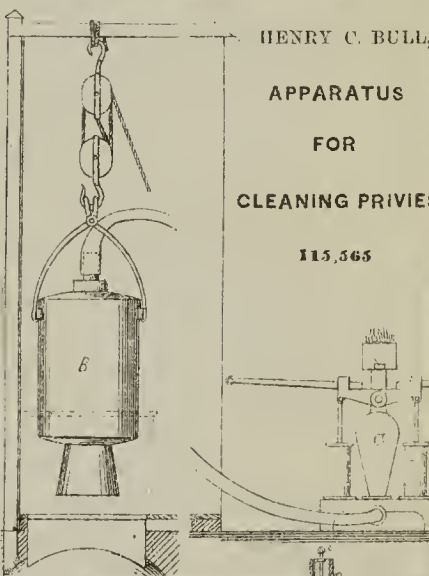
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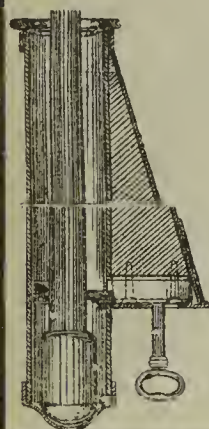
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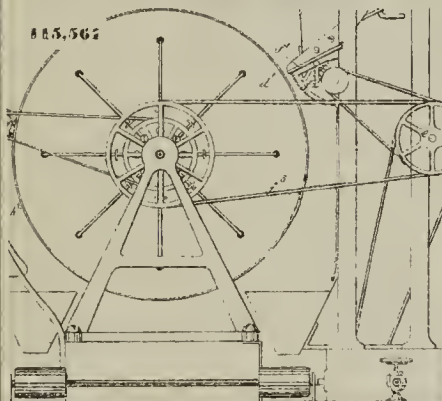
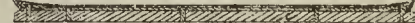
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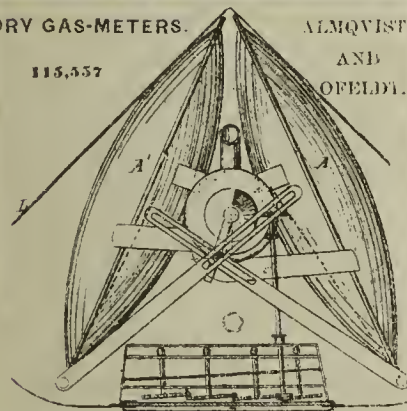
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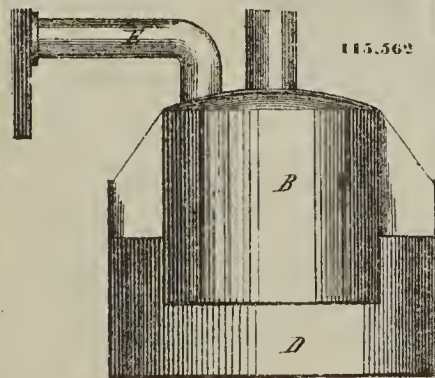
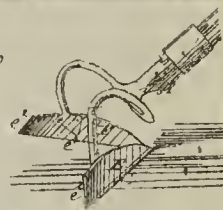
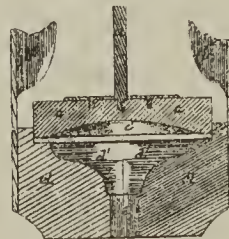
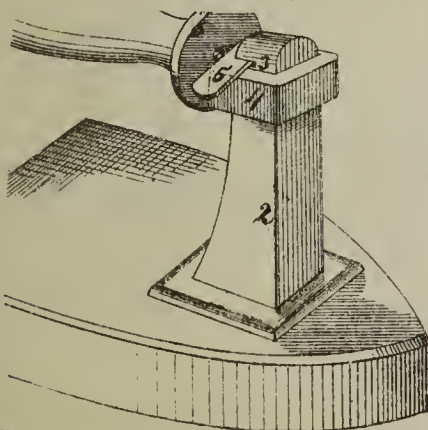
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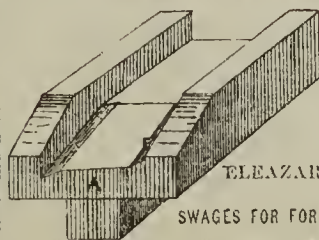
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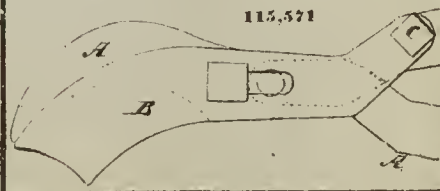
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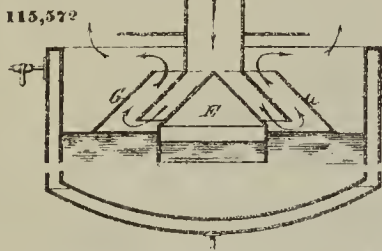
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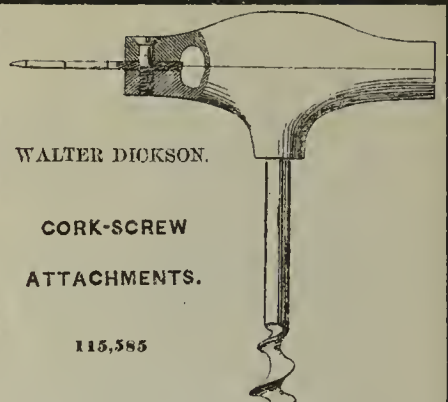
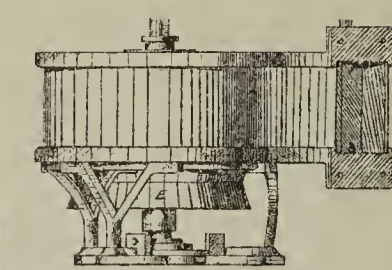
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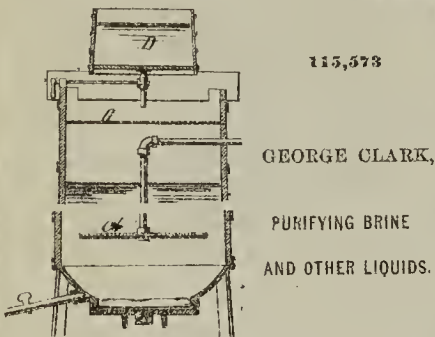


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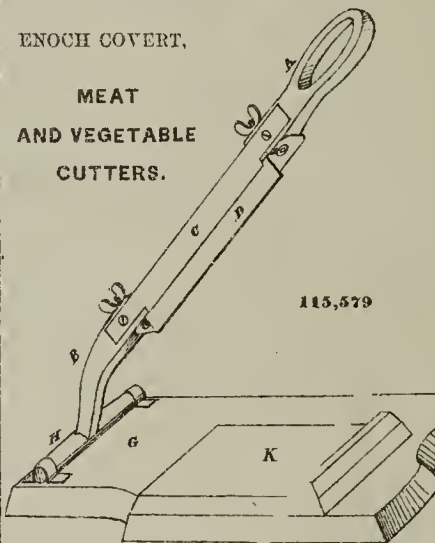
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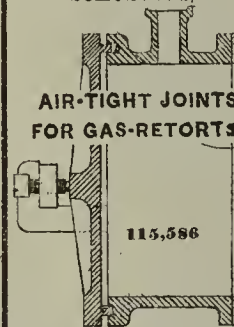
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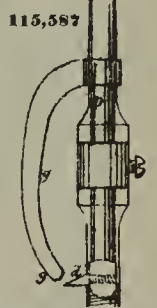
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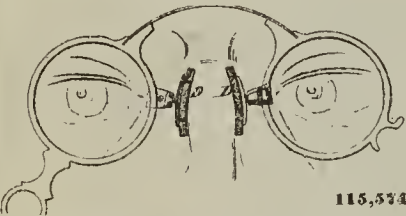
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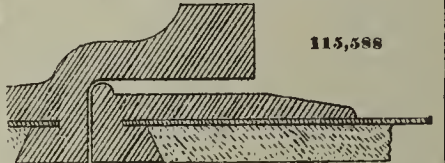
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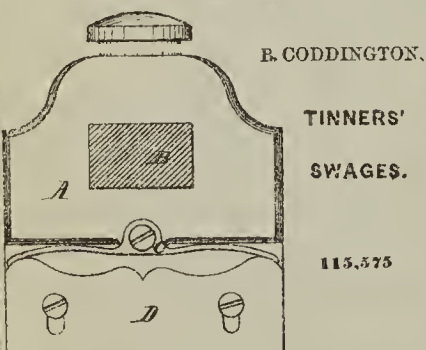


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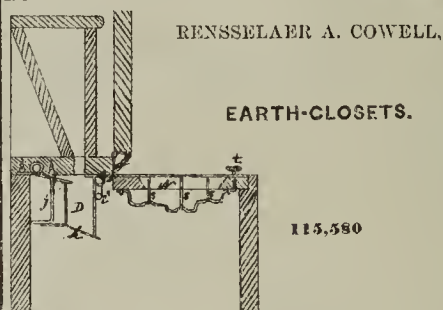


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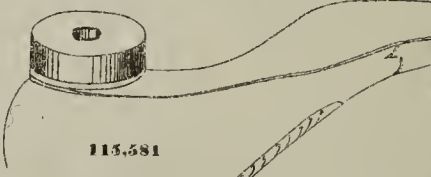
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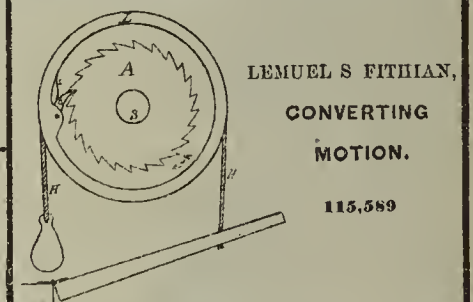
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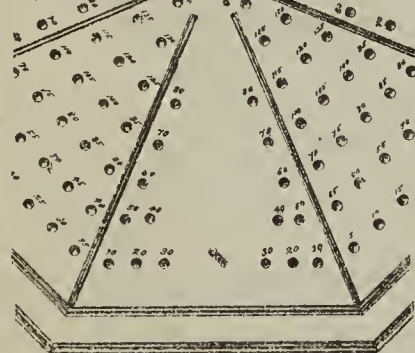
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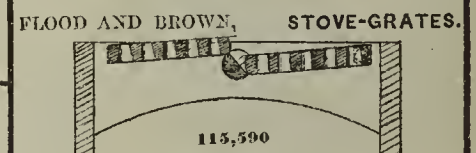


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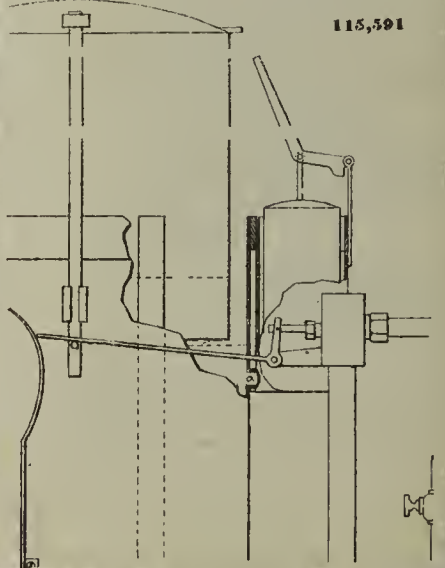


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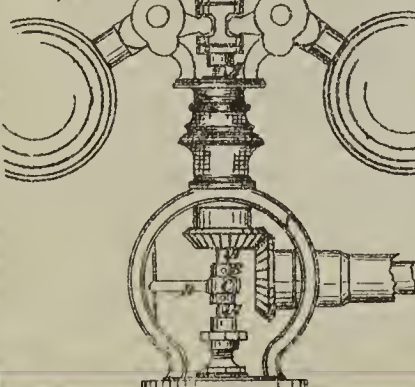
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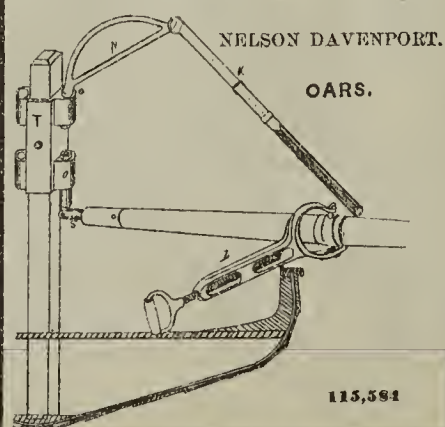


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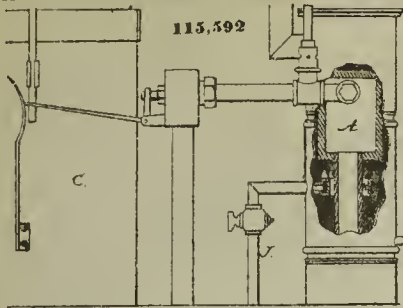
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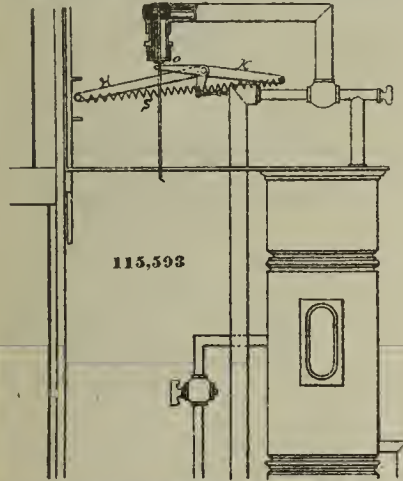
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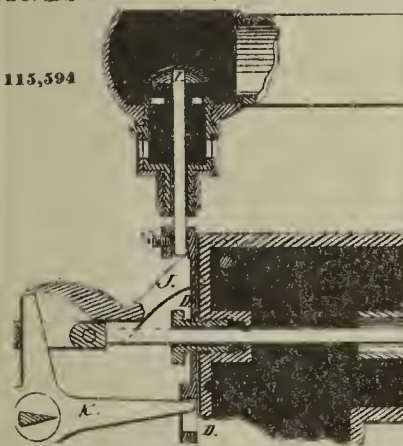
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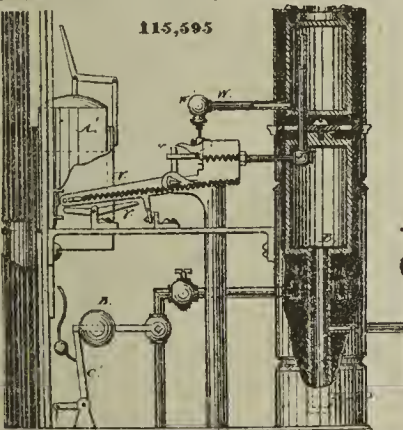
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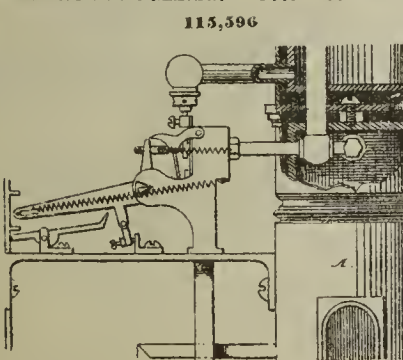
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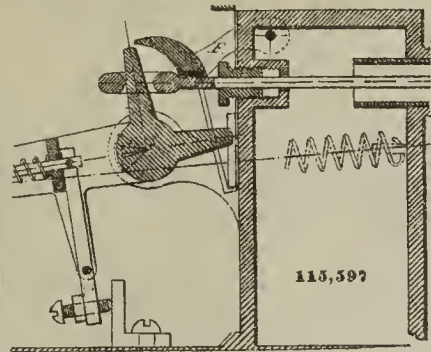
THOMAS B. FOGARTY, GAS-MACHINES.



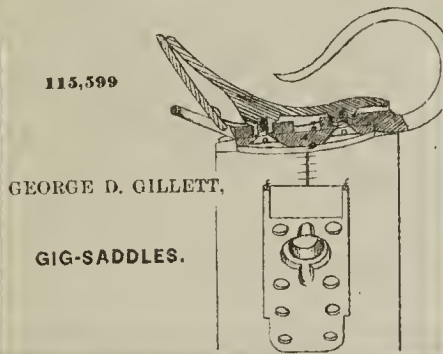
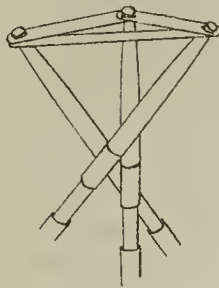
THOMAS B. FOGARTY, GAS-MACHINES.



THOMAS B. FOGARTY, GAS-MACHINES.



HENRY FREE, CAMP-STOOLS.

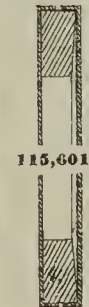


GEORGE D. GILLET, GIG-SADDLES.

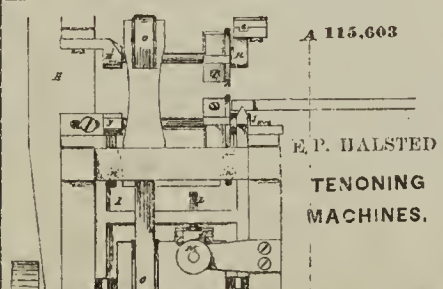


GILMORE AND CRANE, DRESSING MILLSTONES.

L. A. GRILL, BILLIARD TABLES.



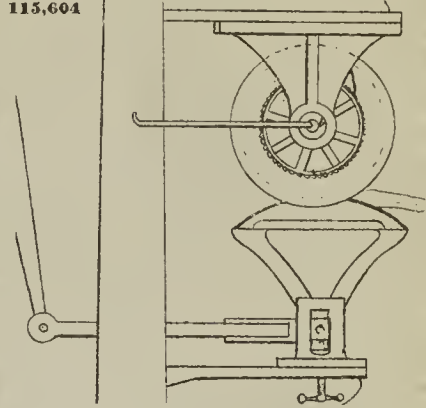
ALEX. W. HALL, ANTI-FRICTION BEARINGS.



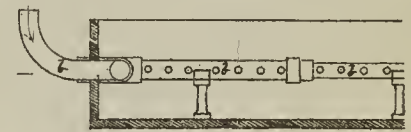
E. P. BALSTED, TENONING MACHINES.

HUGH HAMILL, IRONING AND SMOOTHING MACHINES.

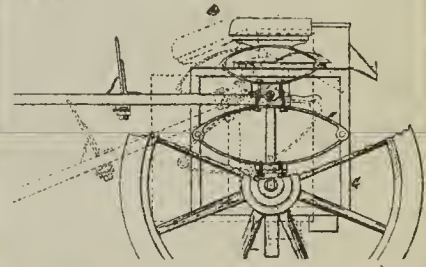
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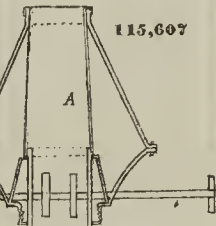
JACOB F. HARLY, MILK-COOLERS.



JOHN HARRIS, MILK-CARTS.



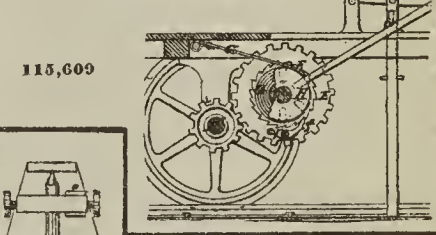
EDGAR K. HAYNES, LAMP-WICK TUBES.



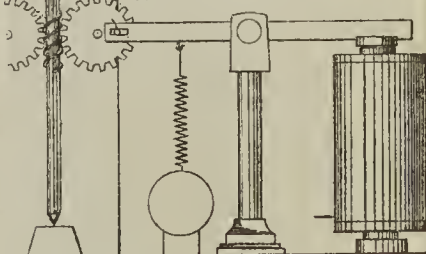
E. K. HAYNES, LAMP-BURNERS.



JOHN C. HEARNE, RAILROAD HAND-CARS.



STEPHEN C. HENDRICKSON, RAILROAD DANGER-SIGNALS.

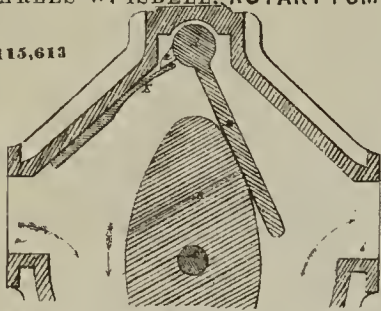


DANIEL HITCHINGS, MODES OF EXPANDING WHEELS.



CHARLES W. ISBELL, ROTARY PUMPS.

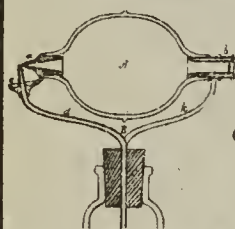
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115,612
WILLIAM HOGE AND JOSEPH R. PECK,
ENAMELED FLEXIBLE METALLIC PLATES

THOMAS ISHERWOOD, LOOM-SHUTTLES.

115,614

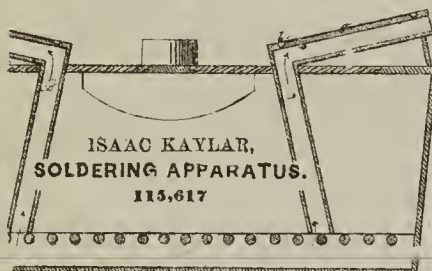
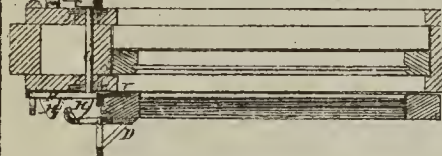


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CHARLES P. JAMES.
ATOMIZERS.

JAMES W. JEDKINS
SHUTTER-WORKERS.

115,616

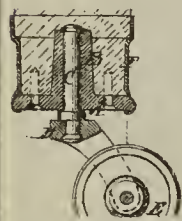


ISAAC KAYLAR,
SOLDERING APPARATUS.

115,617

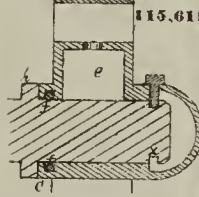
JOSEPH KINTZ, CASTERS.

115,619



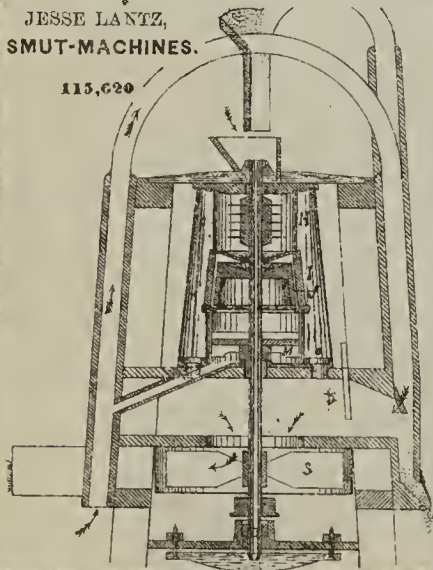
KENWORTHY
AND
POLLITT,
LUBRICATING
AXLES

115,618

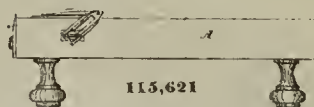


JESSE LANTZ, SMUT-MACHINES.

115,620

ROBERT G. LOWEY,
BOOK-BINDING MACHINES.

115,621



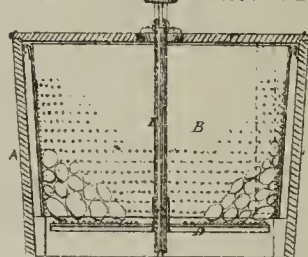
115,622 ROBERT B. LUCAS AND
WILLIAM W. LUCAS
SEPARATING OIL AND NAPHTHA FROM PARAFFINE-WAX.



115,623
GEORGE
MARTIENSSEN,
CHILDREN'S
CARRIAGES.

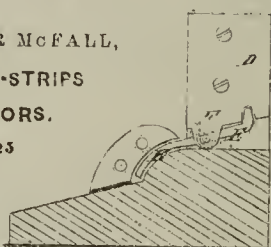
OSCAR F. MAYHEW
VEGETABLE
AND
FRUIT PEELERS.

115,621



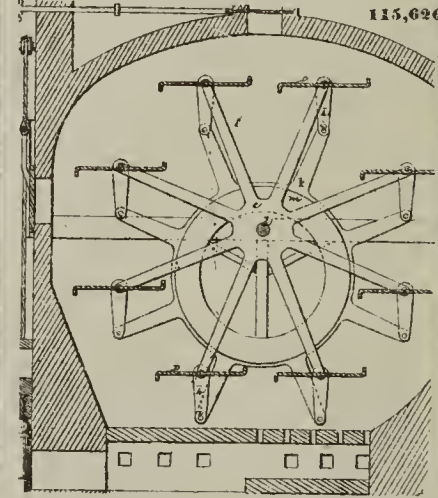
SYLVESTER McFALL,
WEATHER-STRIPS
FOR DOORS.

115,625

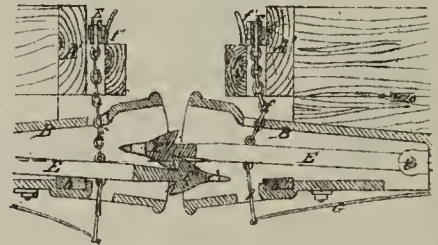


DUNCAN MCKENZIE, OVENS.

115,626



115,627 EDWARD D. MEIER,
RAILWAY CAR-COUPPLINGS.



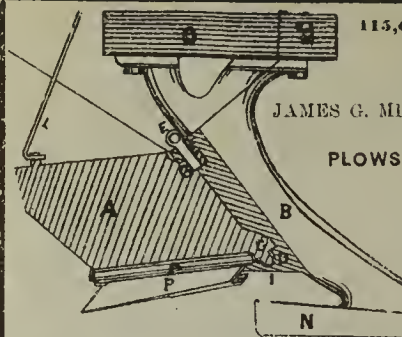
MAX MILLER,
TOY-WHISTLES.

115,628



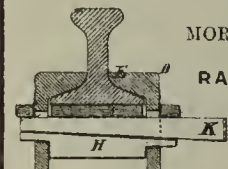
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JAMES G. MINER,
PLOWS.



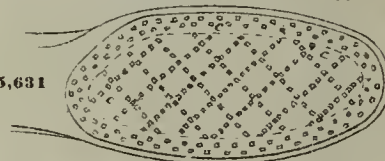
MORRIS AND GREGORY,
RAILWAY-RAIL JOINTS.

115,630



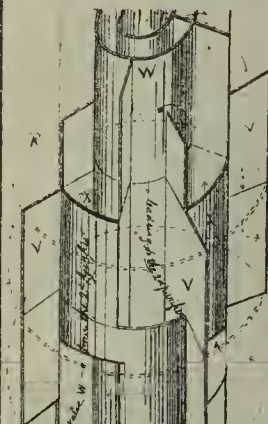
ALFRED A. MOSS.
SOLES OF BOOTS AND SHOES.

115,631



R. MUNZINGER,
CENTER-SEALS
FOR
GAS-WORKS.

115,632

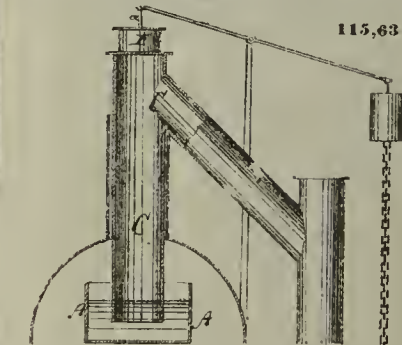


WILLIAM H. NEWTON,
TIDY-PINS.

115,633

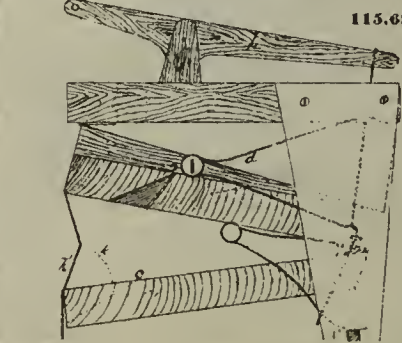
ALFRED ODIORNE,
HYDRAULIC MAINS OF GAS-WORKS.

115,631



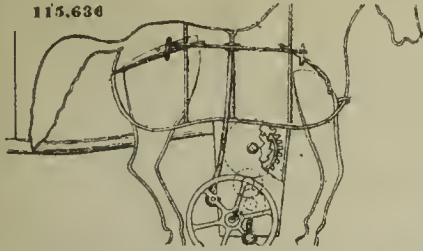
PERRY AND PERRY,
REED-ORGAN BELLOWS

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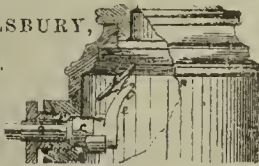


J. W. PILKINGTON. TOY-CARRIAGES.

115,636

JOSEPH L. PILLSBURY.
HYDRANTS.

115,637

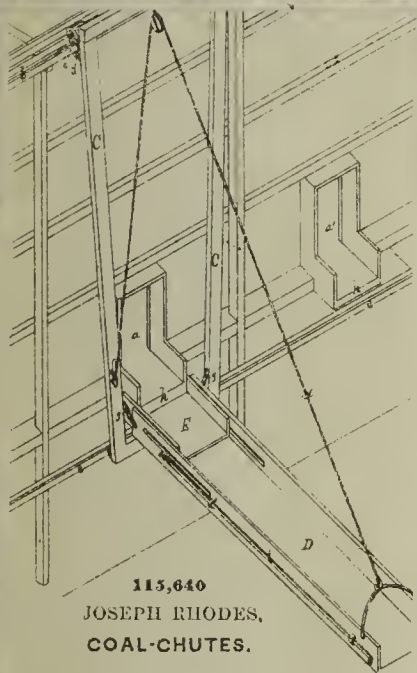
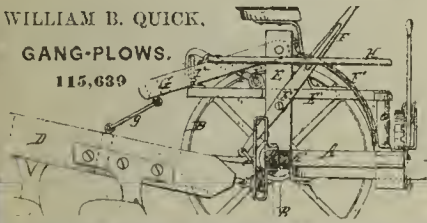


HENRY M. QUACKENBUSH. TOY GUNS.

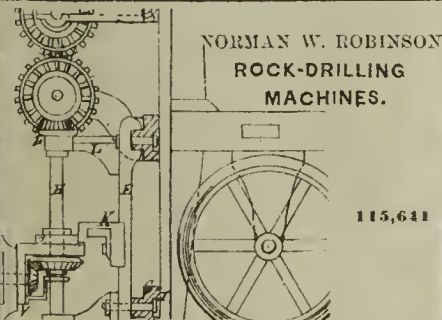
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WILLIAM B. QUICK.
GANG-PLOWS.

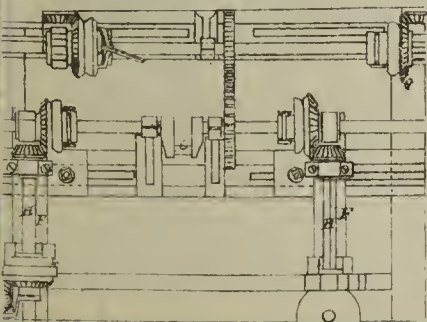
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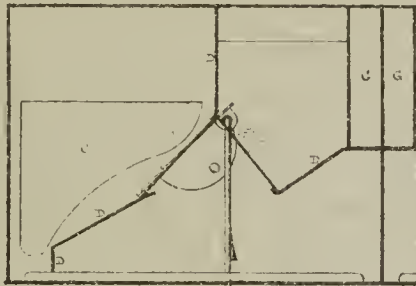
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JOSEPH RHODES,
COAL-CHUTES.NORMAN W. ROBINSON,
ROCK-DRILLING
MACHINES.

115,641

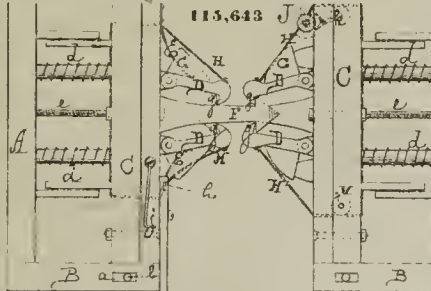
PHILIP ROLLHAUS, JR.
RANGES.

115,642



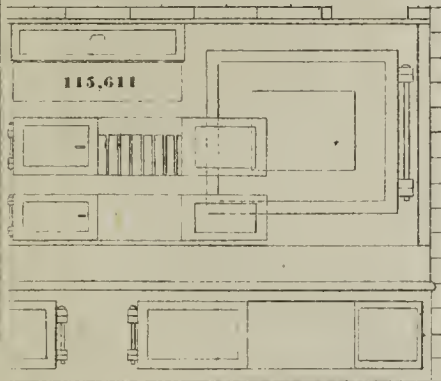
RUPT AND OTT. CAR-COUPPLINGS.

115,643



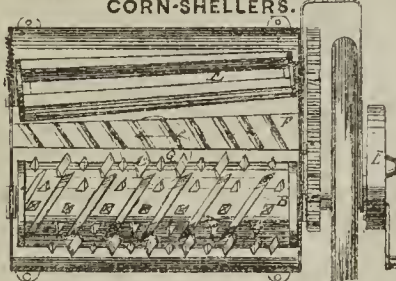
WATSON SANFORD. FIRE-PLACE RANGES.

115,644



JOSEPH B. SARGENT. DOOR-BOLTS.

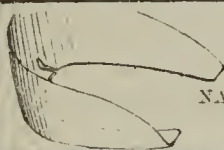
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115,646 SILAS C. SCHOFIELD,
CORN-SHELLERS.

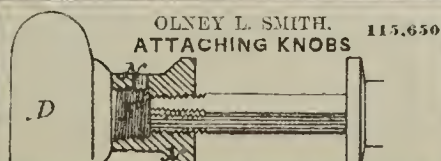
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AGUSTUS R. SCOTT.
LOCKING DEVICES
FOR DOG-COLLARS.

115,648

NATHAN J. SIMONDS,
SHOES.

115,649

ROBERT SLEETH,
METALLIC ROLLS FOR ROLLING IRON, STEEL.

OLNEY L. SMITH. ATTACHING KNOBS

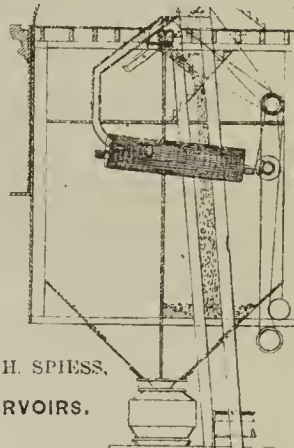
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VIVIAN K. SPEAR.
BURNISHING
BOOT AND SHOE HEELS.

115,651



115,652

FREDERICK CH. SPIESS,
MALT-RESERVOIRS.DANIEL M. SPROGLE.
COPINGS FOR WALLS.

115,653

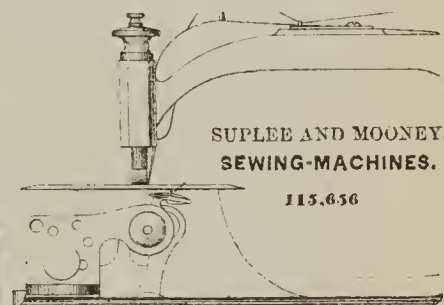
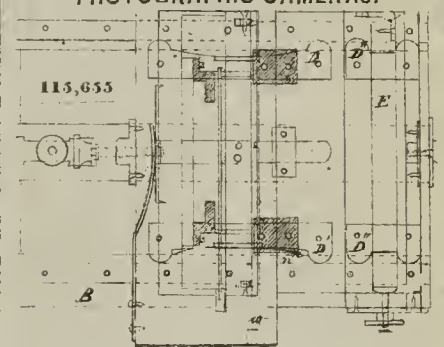


GEORGE F. STEPHENS. BUCKLES.

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JOHN STOCK AND JACOB STOCK,
PHOTOGRAPHIC CAMERAS.

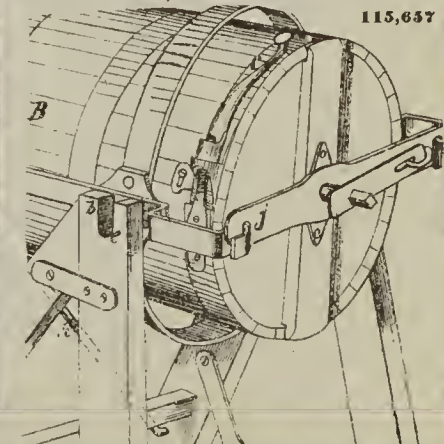
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SUPLEE AND MOONEY.
SEWING-MACHINES.

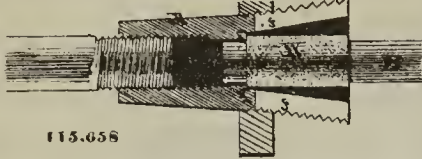
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JOHN TINGLEY, ICE-CREAM FREEZERS.

115,657

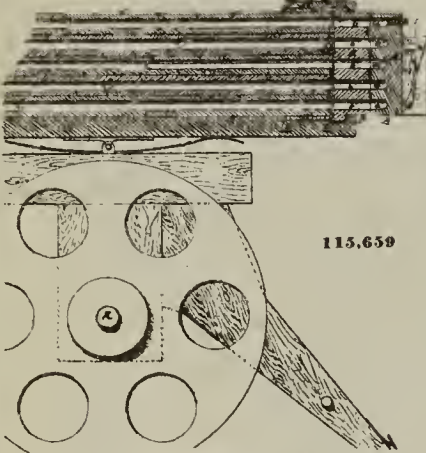


CHARLES TIVNAN,
SCREWS FOR WATER-GAGES.



115,656

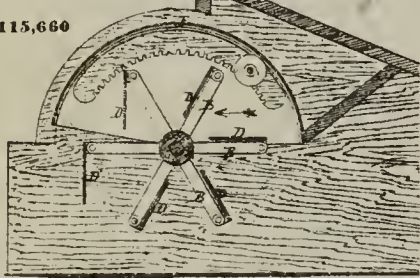
ALFRED H. TOWNSEND,
REPEATING-ORDNANCE.



115,659

CURRENT-WHEELS. WILLIAM TUDER.

115,660



ARCHIBALD TURNER,
SEWING-SILKS, THREADS, &c.



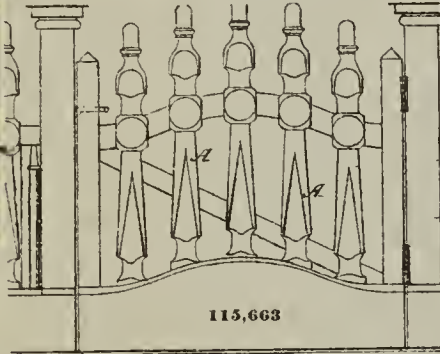
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F. F. UNDERHILL,
VINE-LOCKS.

115,662

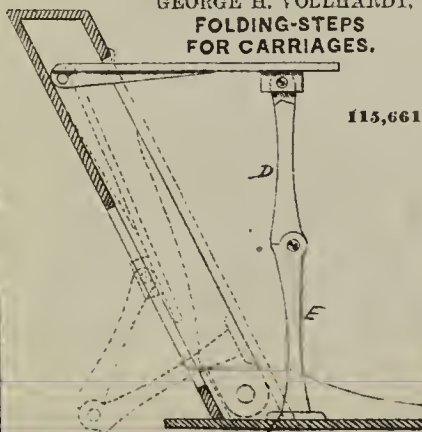


MATTHEW VAN WORMER, FENCES.



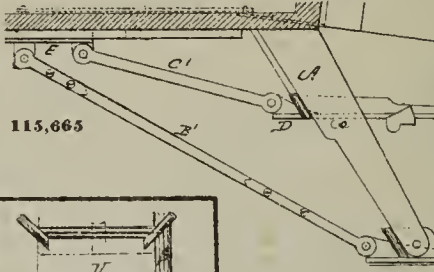
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GEORGE H. VOLLHARDT,
FOLDING-STEPS FOR CARRIAGES.

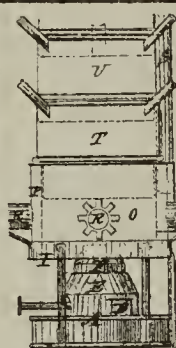


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EDWARD WELLS,
FOLDING-STEPS FOR CARRIAGES.



115,665



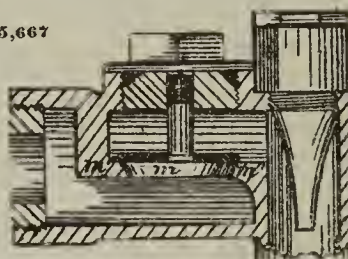
HENRY F. W. WESCHE.

GAS-HEATERS.

115,666

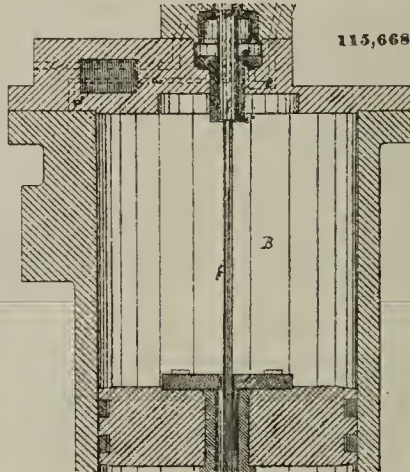
GEORGE WESTINGHOUSE,
STEAM-POWER CAR-BRAKE

115,667



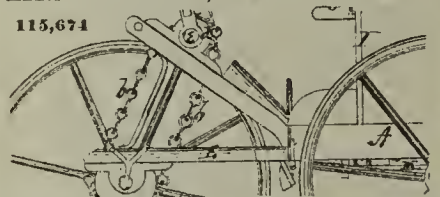
GEORGE WESTINGHOUSE,
STEAM-ENGINE VALVES AND PORTS.

115,668

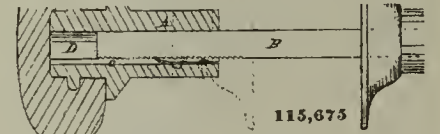


ALLEN AND BOND, HAND-CARRIAGES.

115,671



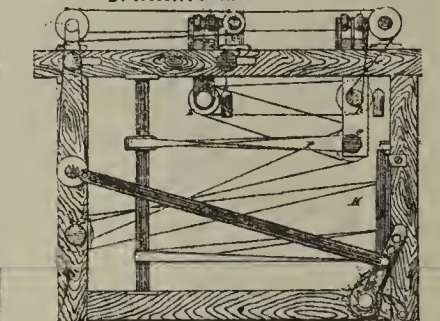
MATTHEW ANDREW, ATTACHING KNOBS



115,675

BALLARD AND BALLARD,
SPINNING-MACHINES.

115,676



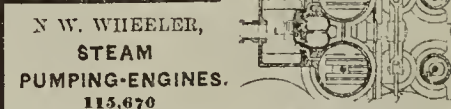
JOHN BALLOU,
FURNACE-POTS.

115,677



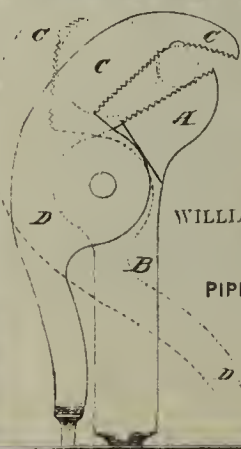
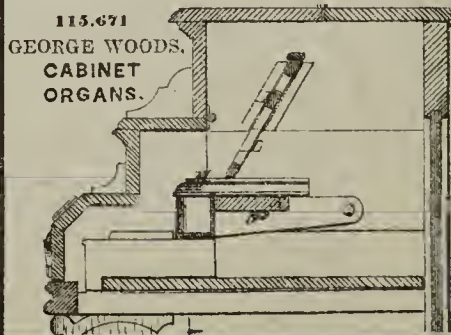
N. W. WHEELER,
STEAM
PUMPING-ENGINES.

115,670



GEORGE WOODS,
CABINET
ORGANS.

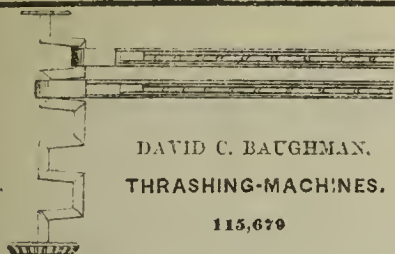
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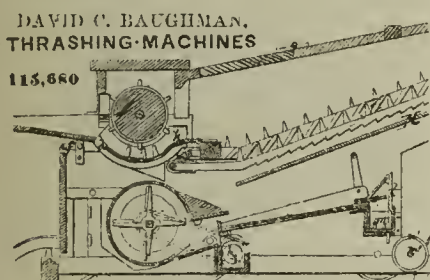
WILLIAM H. BARWICK,

PIPE-WRENCHES.



DAVID C. BAUGHMAN.
THRASHING-MACHINES.

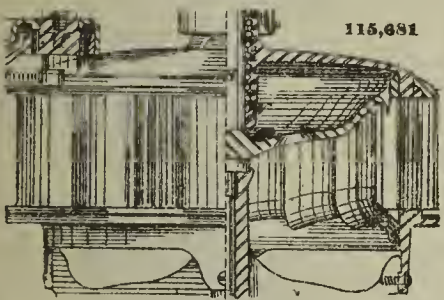
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DAVID C. BAUGHMAN.
THRASHING-MACHINES

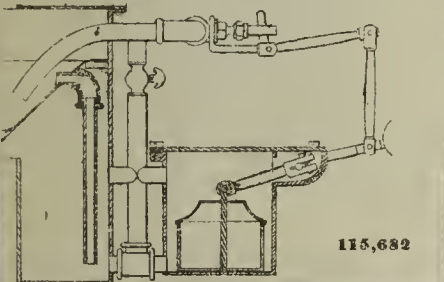
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BAYLEY AND CROWELL. WATER-WHEELS.

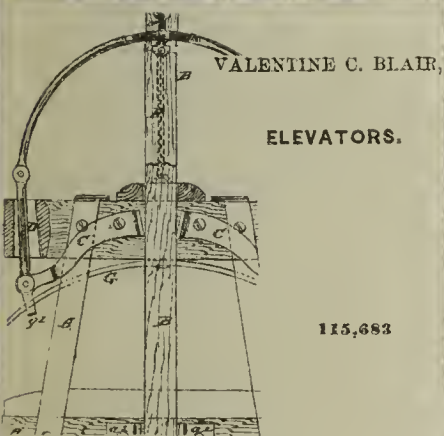


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R BERRYMAN. FEED-WATER HEATERS



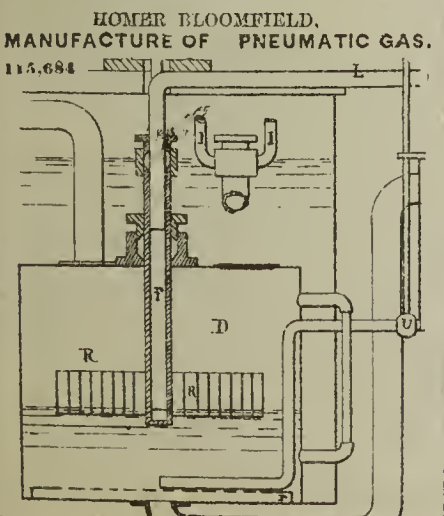
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VALENTINE C. BLAIR,

ELEVATORS.

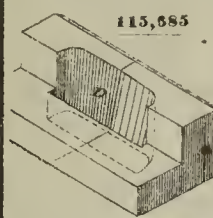
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HOMER BLOOMFIELD.
MANUFACTURE OF PNEUMATIC GAS.

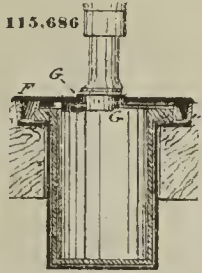
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NICHOLAS BOCH,
BUILDING-BLOCKS.



115,685

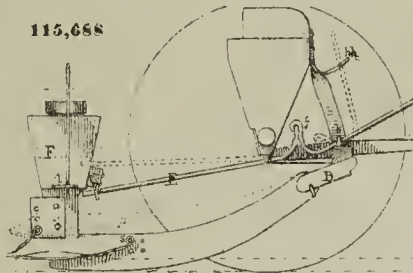
JAMES A. BOWEN,
INKSTANDS.



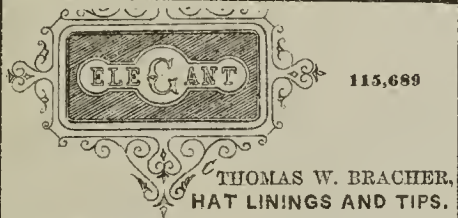
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BOWMAN AND SELBY,
PLANTERS, AND CULTIVATORS.

115,688



115,687
JAMES W. BOWER,
COMPOUNDS FOR COVERING COFFINS.



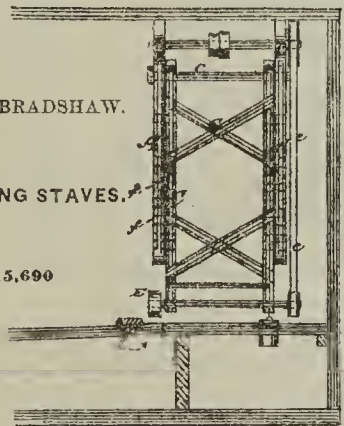
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THOMAS W. BRACHER,
HAT LININGS AND TIPS.

HUGH BRADSHAW.

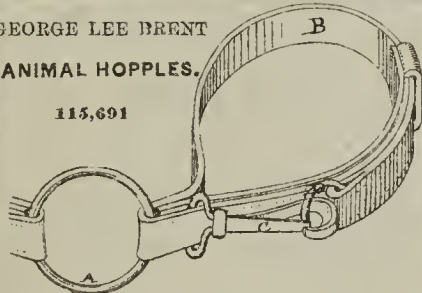
CROZING STAVES.

115,690

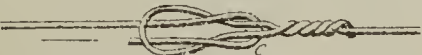


GEORGE LEE BRENT
ANIMAL HOPPLES.

115,691

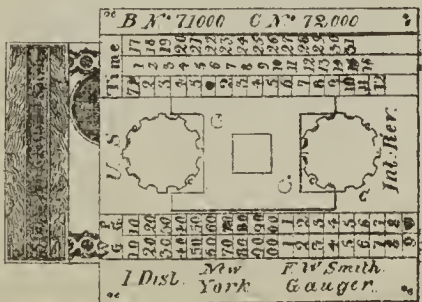


115,692 SYDNEY BRETT, BALE-TIES.

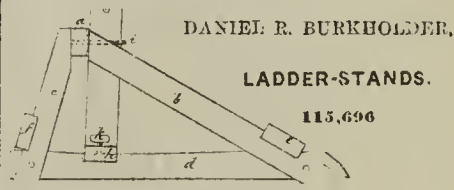


FRANKLIN W. BROOKS,
STAMP-CANCELERS.

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115,694
WILLIAM R. BUNNELL.
COMPOSITIONS FOR STEAM-PACKINGS.

115,695 BENJAMIN S. BURCH,
COMBINATION TOOLS.

DANIEL R. BURKHOLDER,

LADDER-STANDS.

115,696

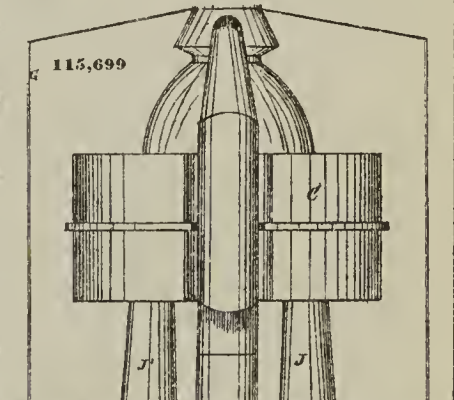


DURRANT BURNETT,

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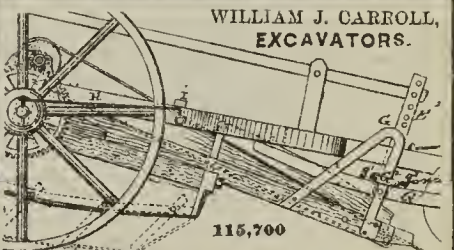
LOCKING-COVERS
FOR MILK-CANS.

JOHN H. BURTIS, HOT-AIR FURNACES.



115,699

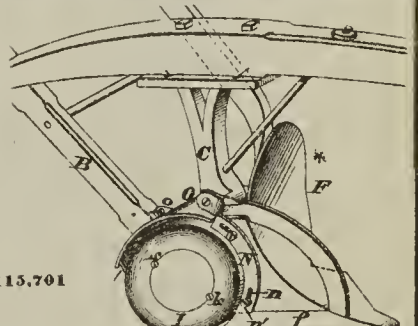
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BENJAMIN F. BURROUGHS,
COMPOUNDS OR COUGH-SIRUPS.



WILLIAM J. CARROLL,
EXCAVATORS.

115,700

CHARLES F. CHAMBERS PLOWS.

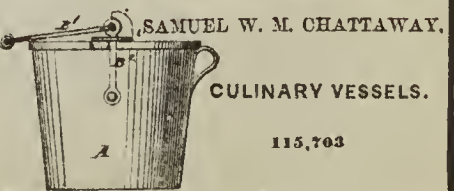


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GEORGE CHAPMAN.
BOLT-HEADING MACHINES.



115,702



SAMUEL W. M. CHATTAWAY,

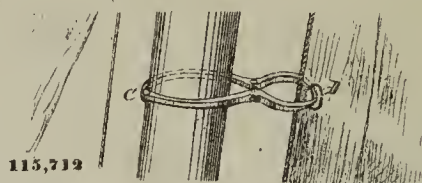
CULINARY VESSELS.

115,703

JAMES M. CLARK,
PEN AND PENCIL CASES.

115,704

DAVID CROWELL, JR., HANKS FOR SAILS.



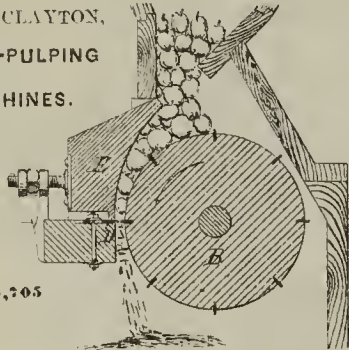
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ROBERT HENRY EDDY,

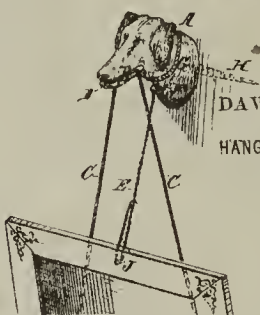
SUSPENDERS.



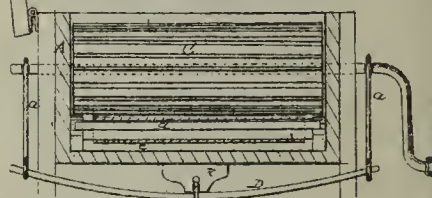
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GREGG CLAYTON,
APPLE-PULPING
MACHINES.

115,705

DAVID CROWELL, JR.,
HANGING LOOKING-GLASSES
AND PICTURES.

115,713

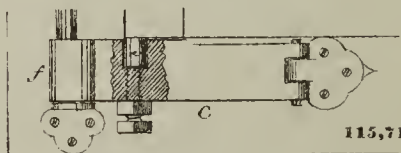
WILLIAM N. FAUCHT,
WASHING-MACHINES.

115,723

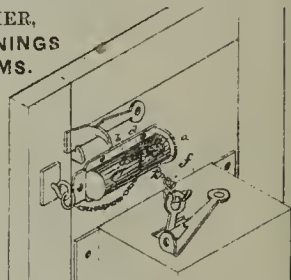
JOSEPH M. COALE. SLIDE-VALVES.



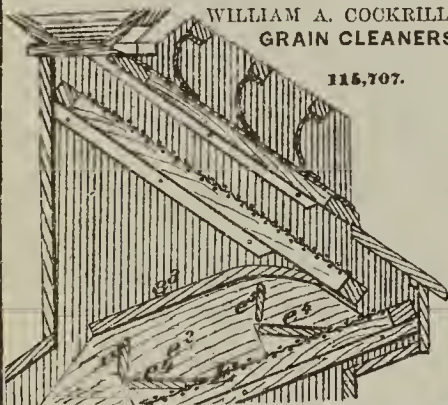
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GEORGE L. DAMON,
OPERATING SAFE-DOORS.

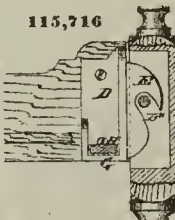
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OSCAR FISHER,
DOOR-FASTENINGS
AND ALARMS.

115,724

WILLIAM A. COCKRILL,
GRAIN CLEANERS

115,707

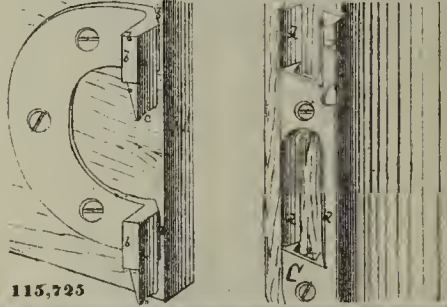
IRA DEYO,
BEDSTEADS.

115,716

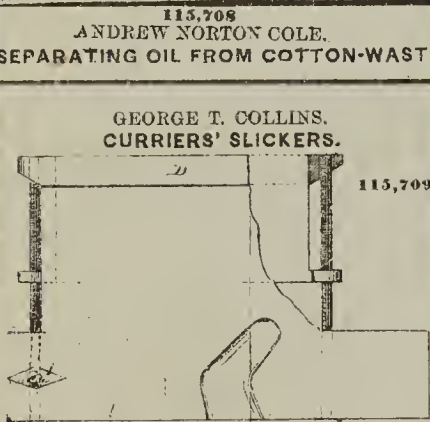
W. C. DAVOL,
HOSE-LEAK
STOPPERS.

115,715

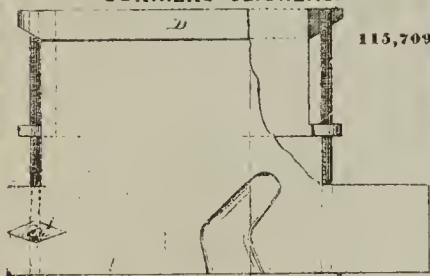
S. A. FRAYER, BEDSTEAD-FASTENINGS.



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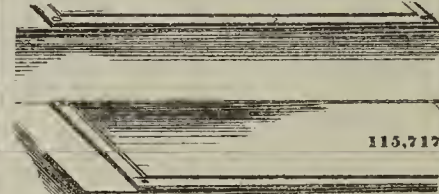
ANDREW NORTON COLE,
SEPARATING OIL FROM COTTON-WASTE.

115,708

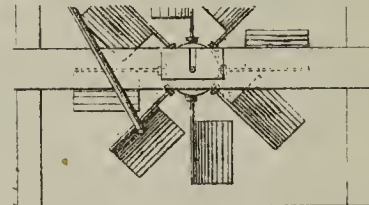
GEORGE T. COLLINS,
CURRIERS' SLICKERS.

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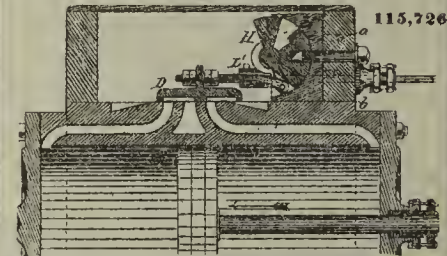
DIETERICH AND POPHAM, STEP-COVERS.



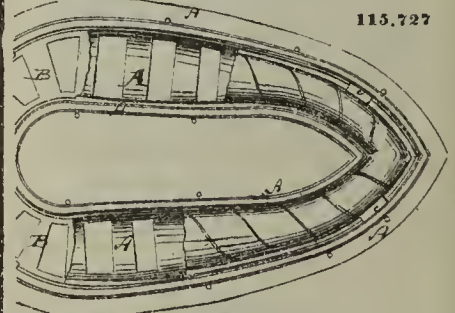
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JOHN F. M. DOAN,
CURRENT WATER-WHEELS.

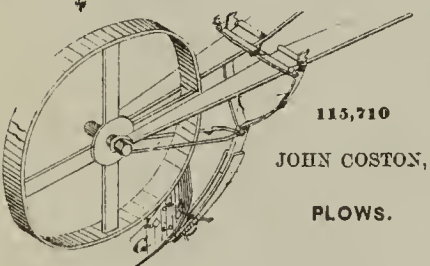
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LUCIEN M. GILBERT,
STEAM PUMPING-ENGINES.

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WILLIAM GUILFOYLE,
PRESSING AND STUFFING HORSE-COLLARS.

115,727



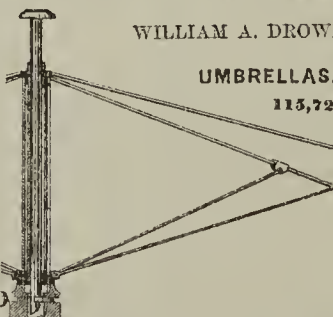
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PLOW.

WILLIAM A. DROWN, JR.,

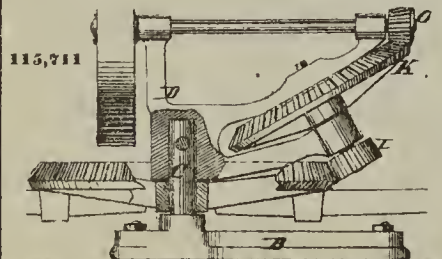
UMBRELLAS.

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JAMES O. DRAPER,
SOAPS FOR
CLEANSING THE TEETH.

115,719

DAVID D. CRAIG, HORSE-POWERS.

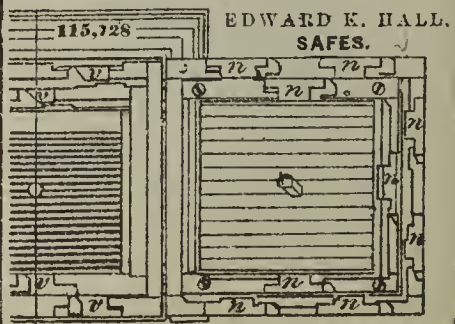


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F. W. DUSTIN, WASHING-MACHINES.

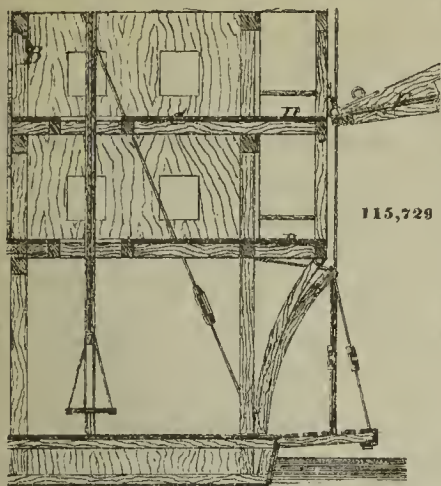


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EDWARD E. HALL,
SAFES.

115,728

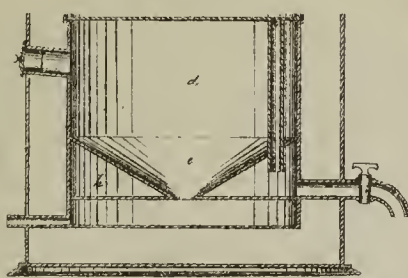
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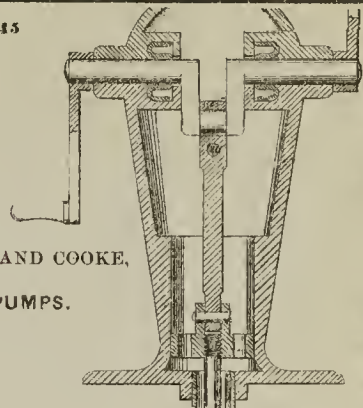
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THOMAS J. JAMES.
WATER-COOLERS.

115,736

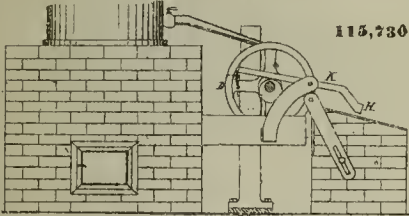


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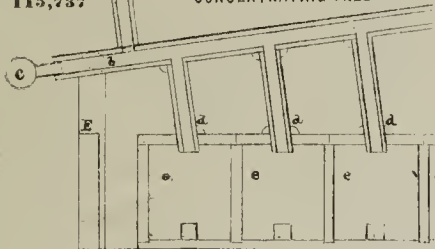
LAWS AND COOKE,
PUMPS.

HENRY HANNEN, MAKING SHEET-LEAD.

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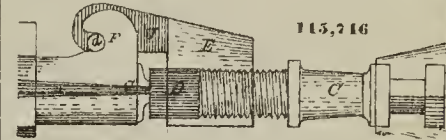
JAMES JENKINS.
CONCENTRATING ORES

115,737

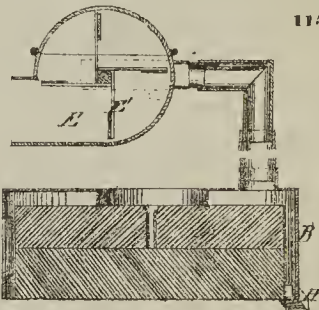


LEHMAN AND ROSS. GAGE-COCKS.

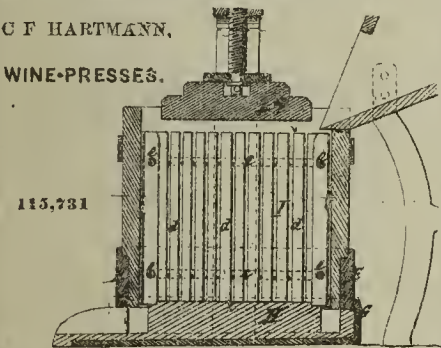
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JACOB LINGENFELTER.
MILLSTONE-EXHAUSTS.

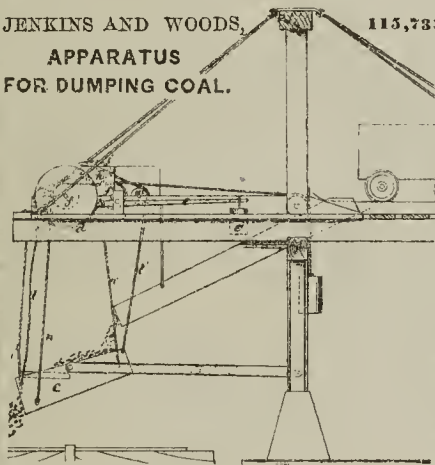
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WINE-PRESSES.

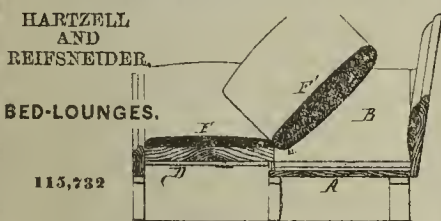
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JENKINS AND WOODS,
APPARATUS
FOR DUMPING COAL.

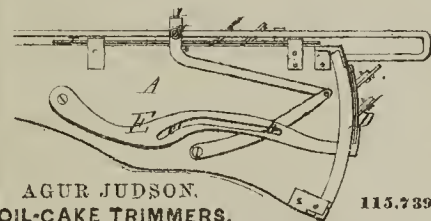
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HARTZELL
AND
REIFSNEIDER.
BED-LOUNGES.

115,732

AGUR JUDSON.
OIL-CAKE TRIMMERS.

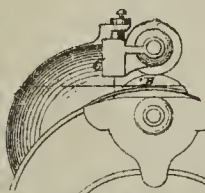
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WILLIAM O. HASKELL, INKSTANDS. 115,738

115,740 VINCENT E. KEEGAN.
REDUCING FIBROUS SUBSTANCES TO PULP.

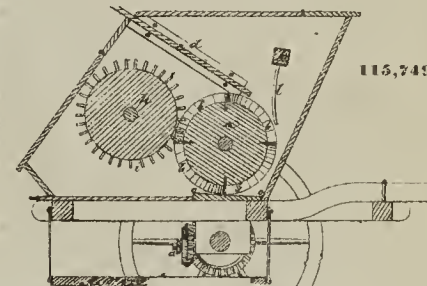
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CHARLES KENISTON,
WELT AND STRAP
CUTTERS.

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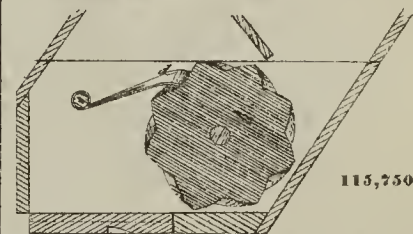
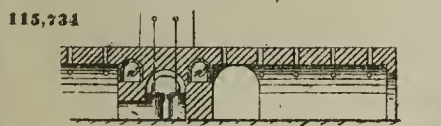
JOSIAH J. KNIGHT,
FENCES.JAMES P. MACHEN.
FERTILIZER-DISTRIBUTERS.

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FREDERICK E. HOFFMANN, BRICK-KILNS.

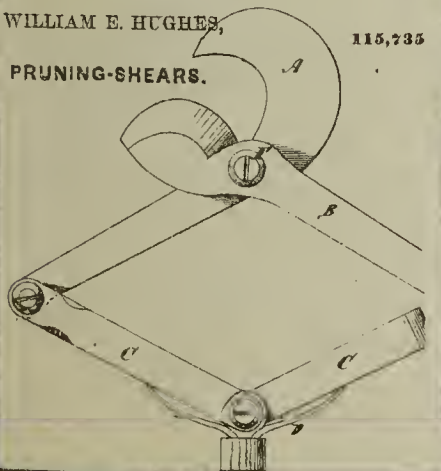
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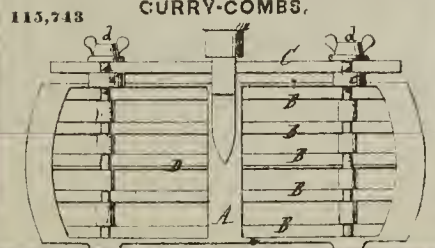
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WILLIAM E. HUGHES,
PRUNING-SHEARS.

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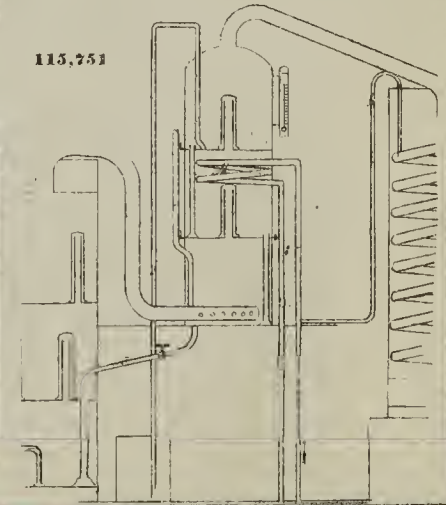
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CHARLES L. LAWRENCE.
WRITING ON CHECKS, DRAFTS,WILLIAM E. LAURENCE,
CURRY-COMBS.

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WESLEY MAKELY, STILLs FOR SPIRITS.

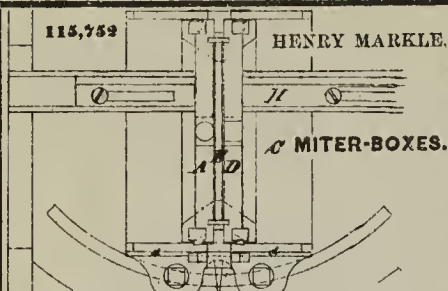
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HENRY MARKLE.

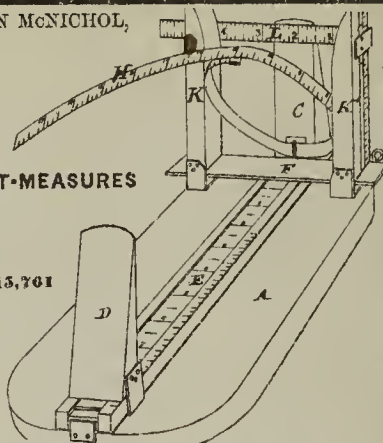
MITER-BOXES.



JOHN McNICHOL,

FOOT-MEASURES

115,761

GEORGE W. PAGETT.
DOOR-CHECKS.

115,768

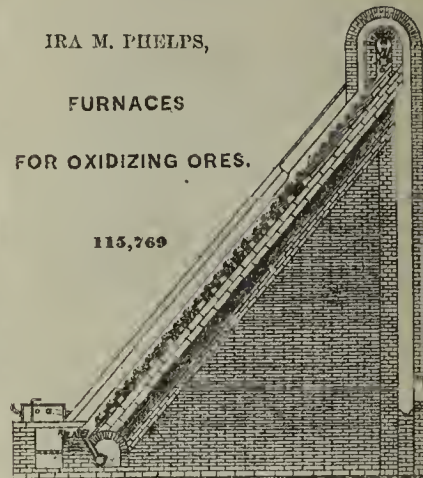


IRA M. PHELPS,

FURNACES

FOR OXIDIZING ORES.

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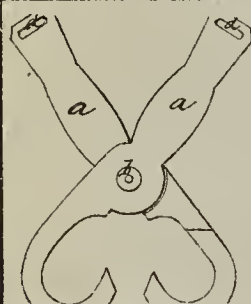


ARNOLD P. MASON,

SLIDE-BARS

FOR BRIDLE-BITS.

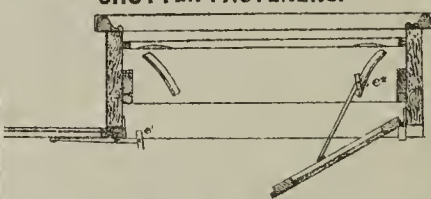
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JOSEPH W. MEGAW.

SHUTTER-FASTENERS.

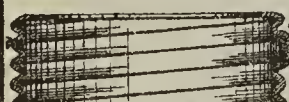
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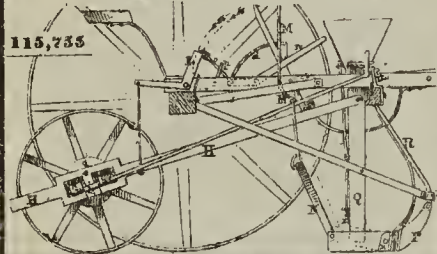
JOHN L. MASON,

SCREW CAPS

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RODNEY H. MATHEWS.
CORN AND SEED PLANTERS.

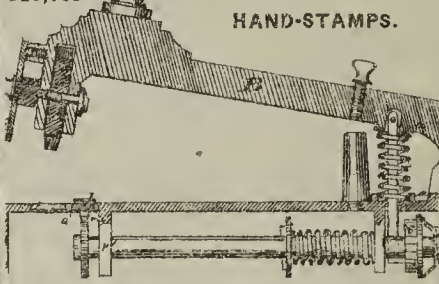
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JOSEPH G. MOODY.

HAND-STAMPS.

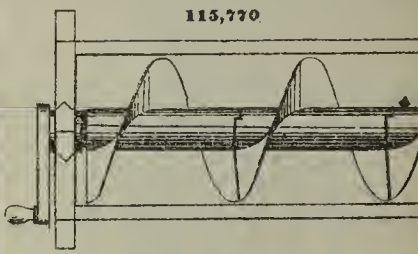
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DAVID RUFUS QUICK.

SCREWS.

115,770



115,756

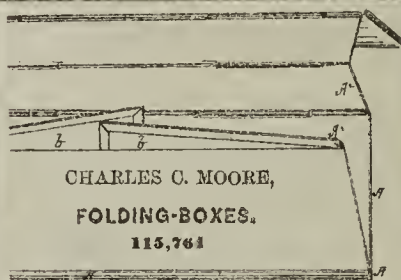
J MCCARTHY.

TENSION
ROLLERSWILLIAM H. MURRAY.
FIRE-KINDLERS.

115,757

CHARLES C. MOORE,
FOLDING-BOXES.

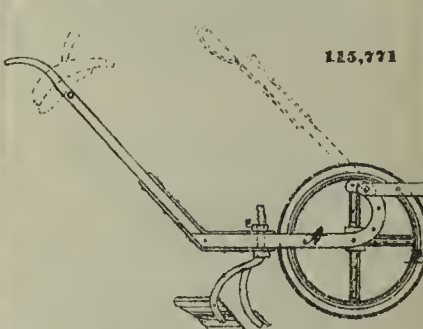
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J. EUGENE REED,

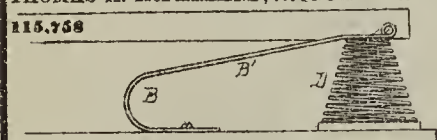
CULTIVATORS.

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THOMAS A. McFARLAND, WAGON-SPRINGS

115,758



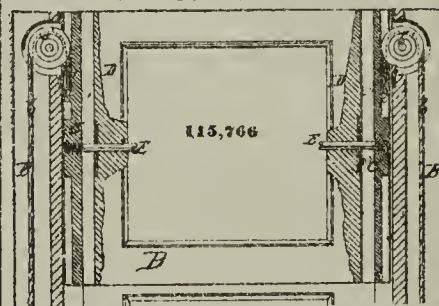
GEORGE C. MORGAN,

RAILWAY RAILS.

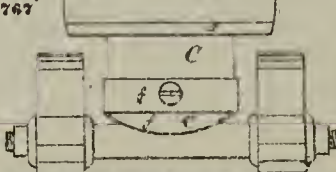
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WILLIAM P. NELSON,
WINDOW-SASHES.

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OLIVER BENJAMIN OAKLEY.
PARLOR-SKATES.

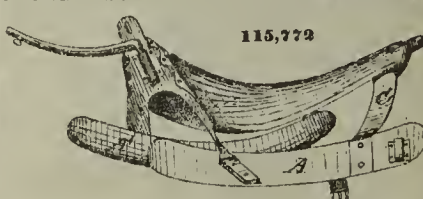
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GEORG F. SCHMIDT.

RIDING-SADDLES.

115,772

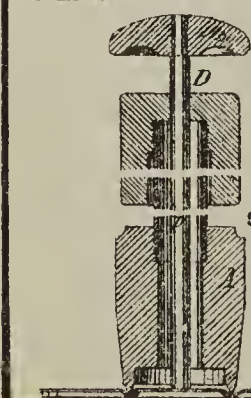


McMURRAY

AND

HOLLINGSWORTH,
SOLDERING-TOOLS.

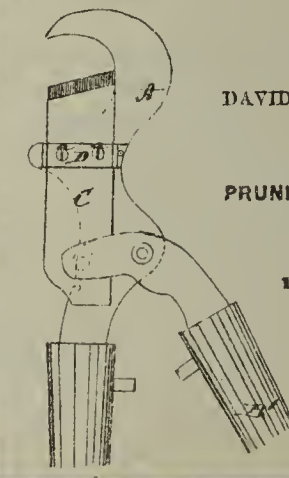
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DAVID B. SEELY,

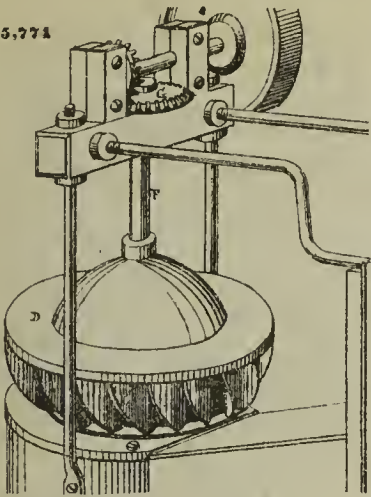
PRUNING-SHEARS.

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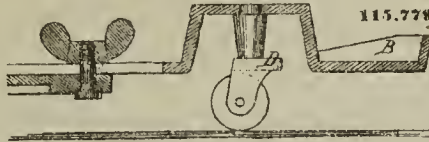


LORENZO DOW BUTTERS SHAW,
WATER-WHEELS.

115,774

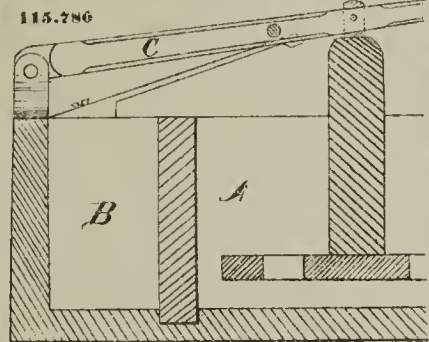
STAFFORD AND STANSBERRY,
SEWING-MACHINE CASTERS.

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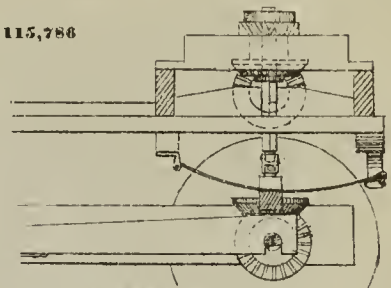
NOAH H. STALLINS, WASHING-MACHINES.

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THOMAS, CRAIG, AND CRAIG.

115,788

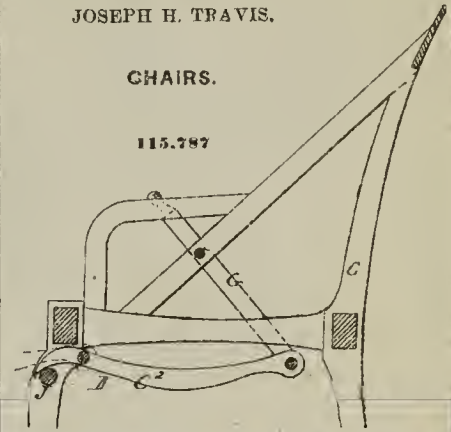


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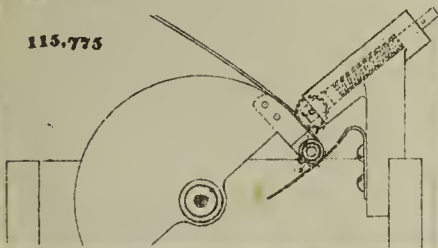
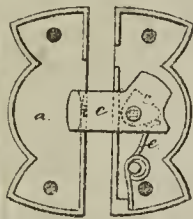
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CHAIRS.

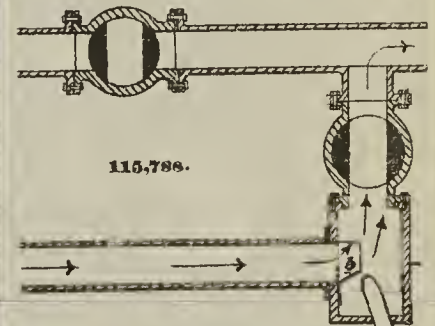
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GEORGE F. SIMONDS,
MACHINES FOR BENDING HORSE-RAKE TEETH.

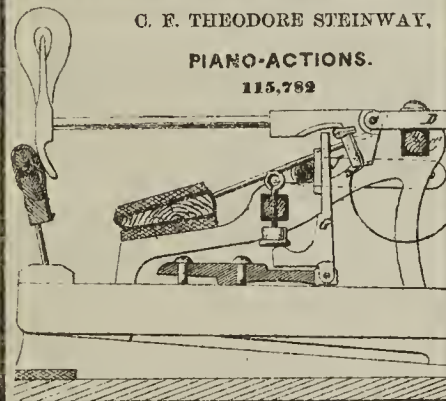
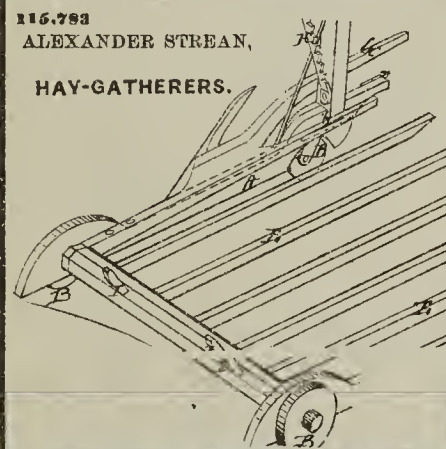
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ELBRIDGE J. STEELE.
FASTENINGS
FOR
WINDOW-SHUTTERS.SAMUEL TRUMBORE,
EXHAUSTING GAS FROM RETORTS

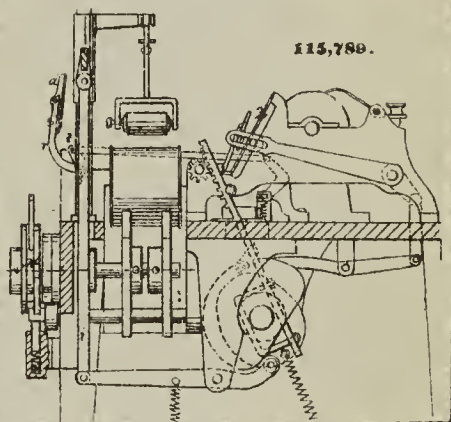
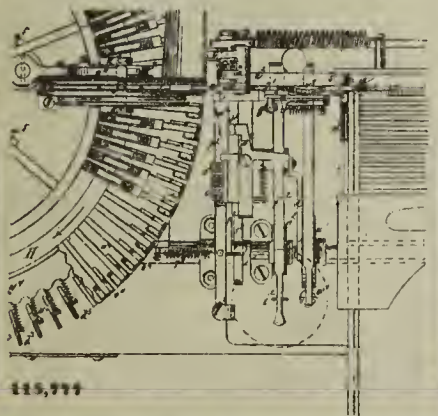
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C. F. THEODORE STEINWAY,
PIANO-ACTIONS.

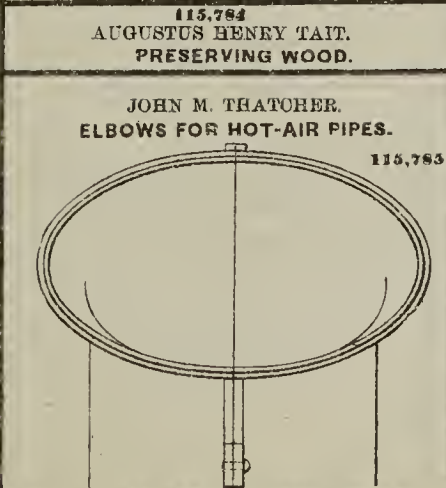
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ALEXANDER STREAN,
HAY-GATHERERS.EDWARD TYRRELL
LABELING ROUND BOXES.

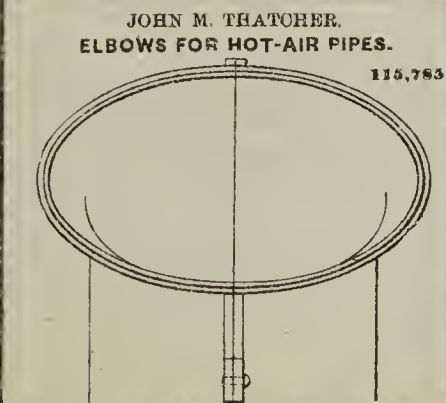
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JOHN T. SLINGERLAND,
TYPE-DISTRIBUTING MACHINES.

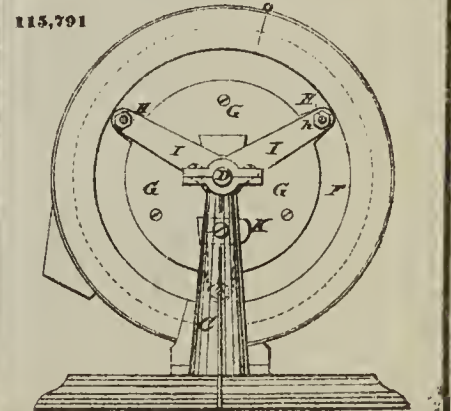
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AUGUSTUS HENRY TAIT,
PRESERVING WOOD.JOHN M. THATCHER,
ELBOWS FOR HOT-AIR PIPES.

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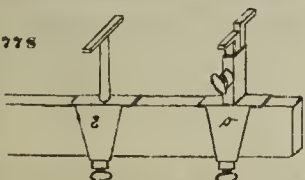
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LOUIS VIOLET,
COUGH-MIXTURES FOR USE IN CANDIES.AUSBERT H. WAGNER,
GRIST-MILLS.

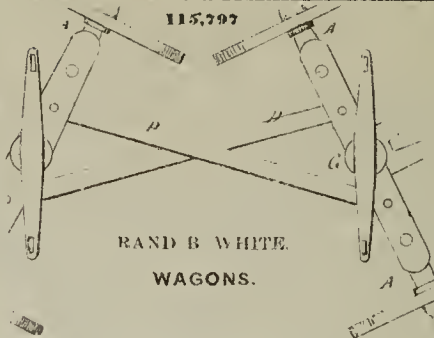
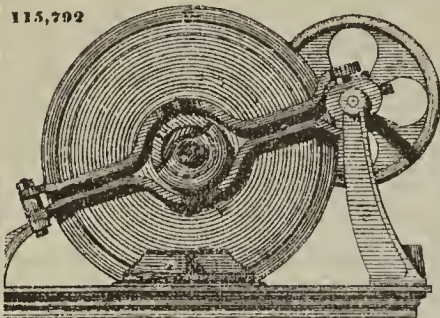
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HENRY W. SPAULDING, AXLE-GAGES.

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ALBERT G. WALDO. FRICTION-BRAKES.
115,792

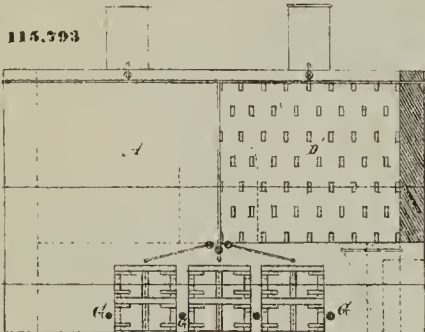
PIERRE L. GIBBS, LOCK-NUTS.

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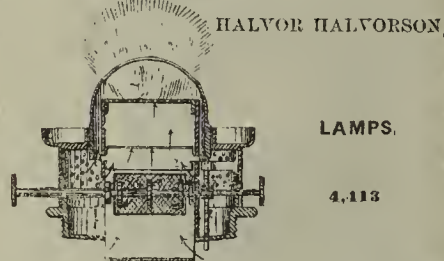
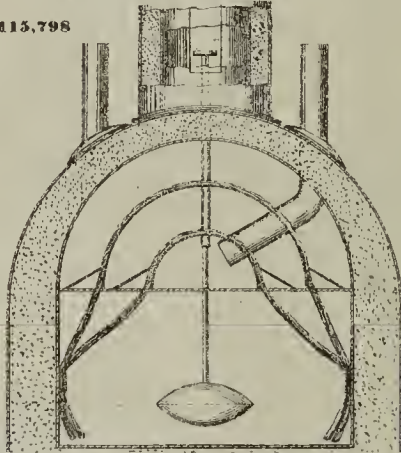
BENJAMIN WALLIS, BRICK-KILNS.

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SAMUEL WHITNEY, CARBURETING GAS AND AIR.

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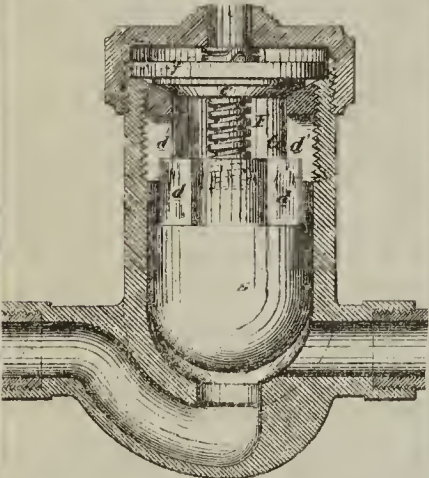


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LAMPS.

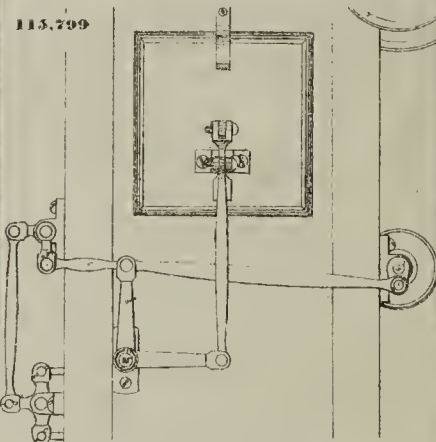
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115,791 JAMES WALSH, STOP-VALVES.



GEORGE W. WILSON, APPARATUS FOR COMBINING OR MIXING

115,799



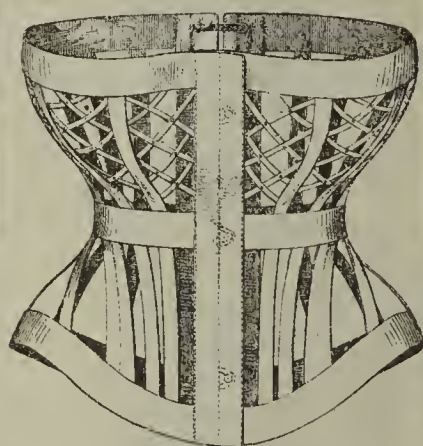
FRANÇOIS LAYAUX

BEDSTEADS AND TESTERS.

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CLEMENTINE D. RUTHERFORD, CORSETS.

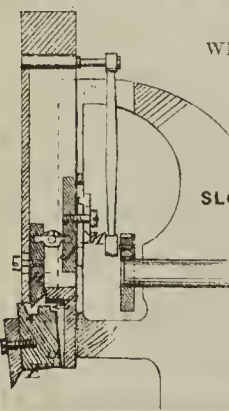
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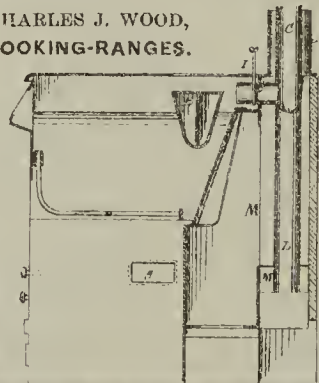
SLOTTING-MACHINES.

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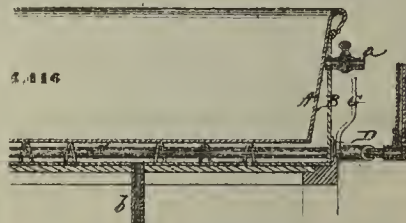
CHARLES J. WOOD, COOKING-RANGES.

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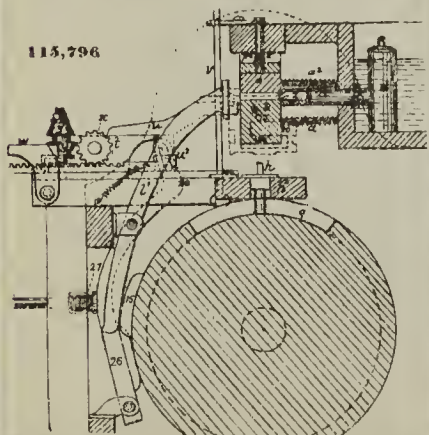
STUART AND STUART, CHEESE-VATS.

4,416



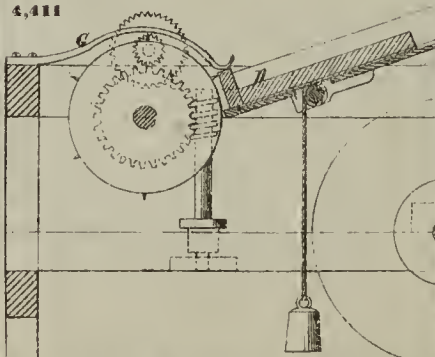
CHARLES S. WESTCOTT, TYPE COMPOSING AND CASTING MACHINES

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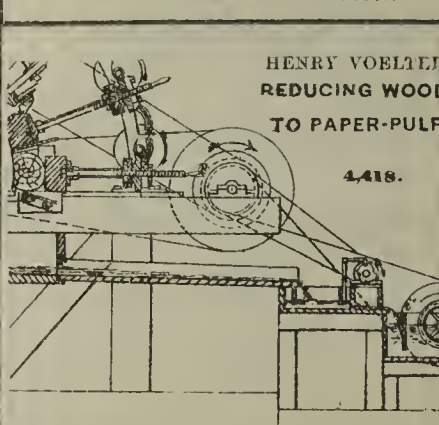
ELLIOTT, SMITH, AND GRAY, CROZING STAVES.

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JOSEPH A. TATRO, TREATING PETROLEUM AND ITS PRODUCTS.

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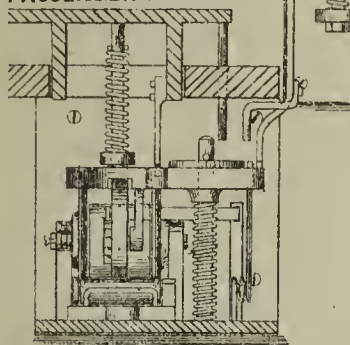


HENRY VOELTER, REDUCING WOOD TO PAPER-PULP.

4,418.

ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
JUNE 13, 1871.

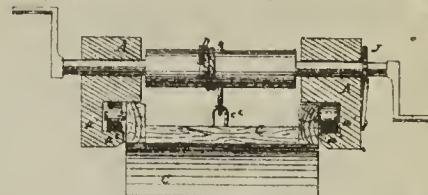
115,801 JAMES T. ALDRICH.
PASSENGER-RECORDERS.



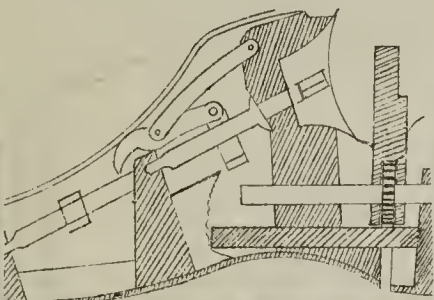
115,807 GEORGE W. BANKER.
BARRELS, KEGS, AND PAILS.



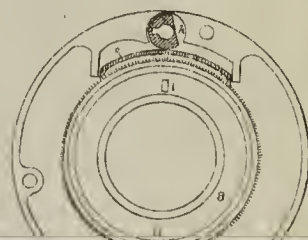
115,813 JOSIAH BISHOP, ELEVATORS.



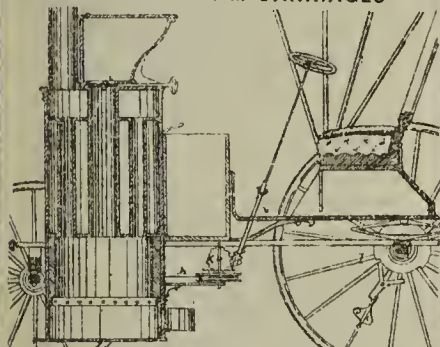
115,808 EMERSON REED BARDIN.
BOOT-AND-SHOE STRETCHERS.



115,814 EDWARD W. BRETTELL.
PERMUTATION WHEELS.



115,802 FRANCIS ALGER.
STEAM-CARRIAGES.

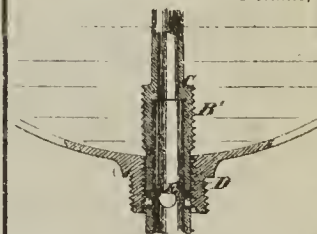


115,815 JOHN BRIZEE. MOP-HEADS.

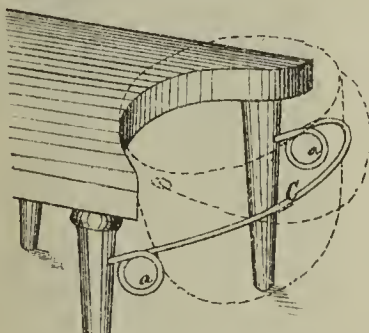


115,816 WILLIAM BROOKS.
VARNISHES FOR COATING THE
SURFACES OF BOBBINS OR SPOOLS.

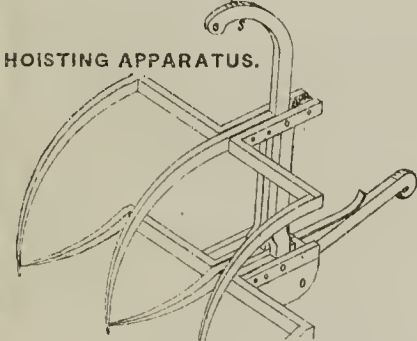
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WILLIAM J. BRUNDRED.
APPARATUS FOR OIL-TANKS.



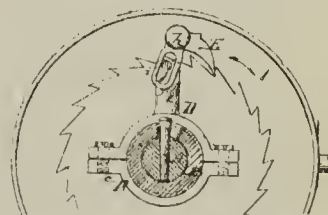
115,803 LEVI O. ALLEN.
MILKING-STOOLS.



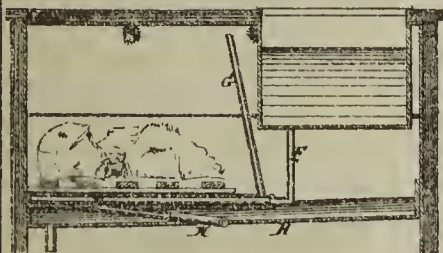
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JOSEPH R. BENEDICT.
HOISTING APPARATUS.



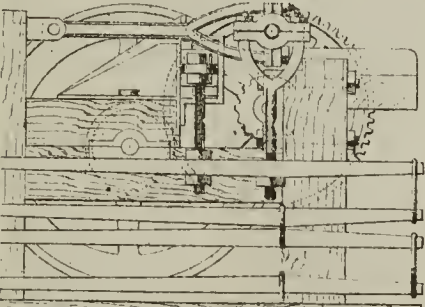
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FRICTION-CLUTCHES.



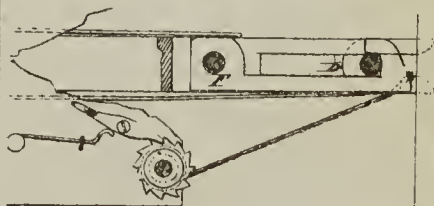
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REFRIGERATORS.



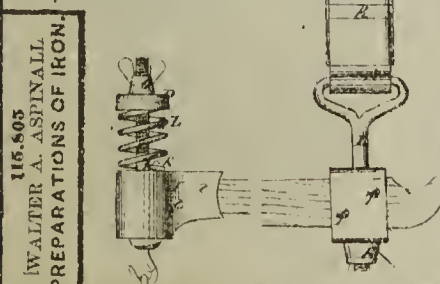
115,811 BENSON AND BENSON,
STAVE-DRESSING MACHINES.



115,819 EUGENE CAMPBELL.
CAR-COUPPLINGS.



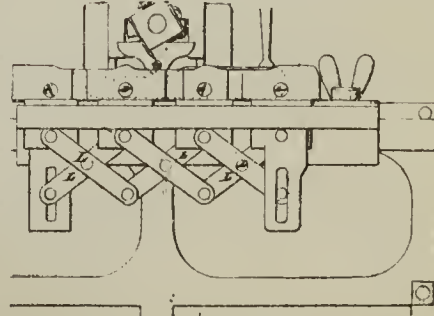
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GEORGE BAILEY.
LET-OFF MECHANISMS.



115,812 LYMAN G. BIGELOW,
PHOTOGRAPHIC BACKGROUNDS.

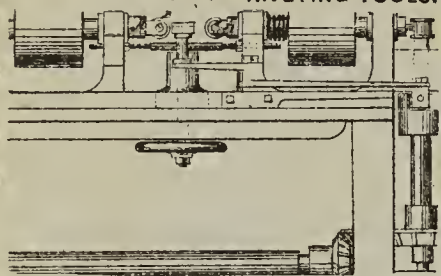


115,820 JAMES W. CAMPBELL.
CUTTING IRREGULAR FORMS.



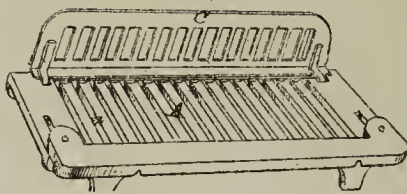
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BENJAMIN F. COBB. RIVETING-TOOLS.



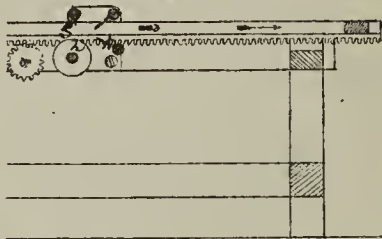
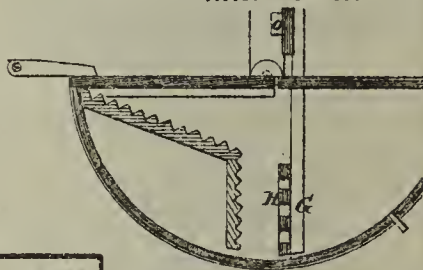
115,827 SALMON P. DAVIS,

STOVE-GRATES.



115,828 CHARLES A. DEAN,

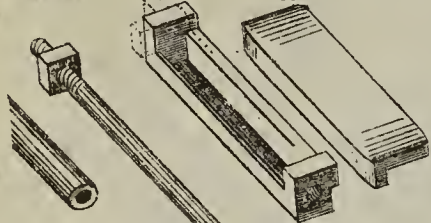
CLEANING SISAL, HEMP, AND OTHER GRASSES.

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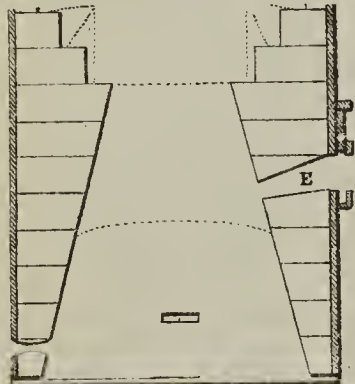
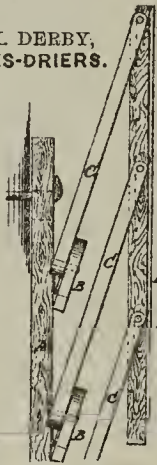
SASH-HOLDERS.



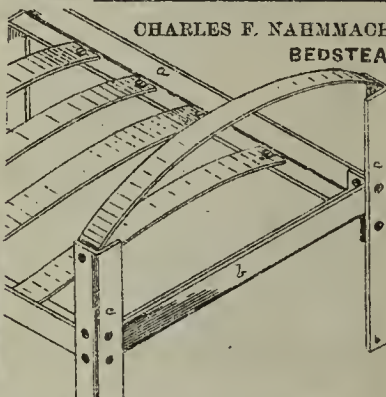
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ANSON G. COOK,

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JOHN K. DERBY,
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HENRY DEYOE,
FENCES.

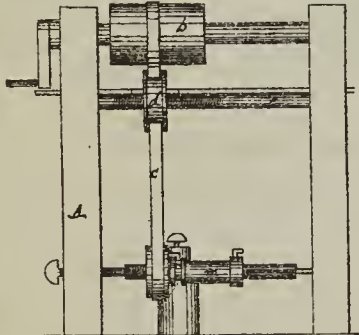
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CHARLES F. NAHMMACHER,
BEDSTEADS.

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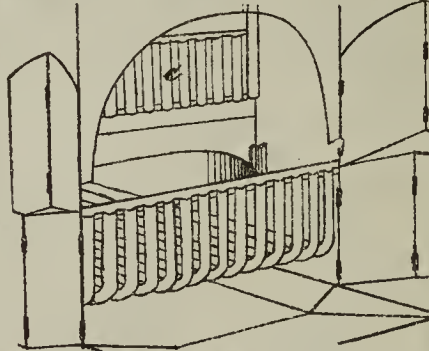
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WHEEL-BORERS.



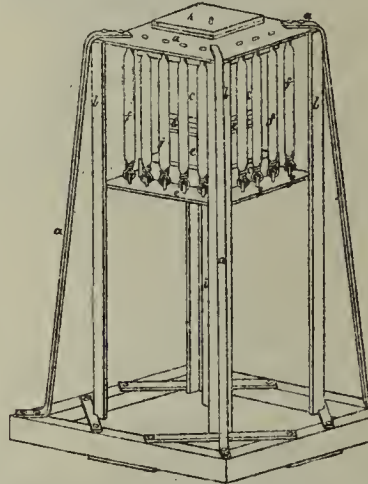
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COOKING-STOVES.

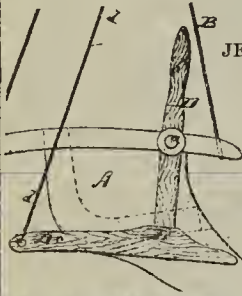


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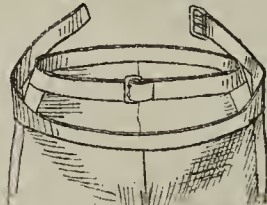


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JESSE A. CRANDALL,
SWINGS.

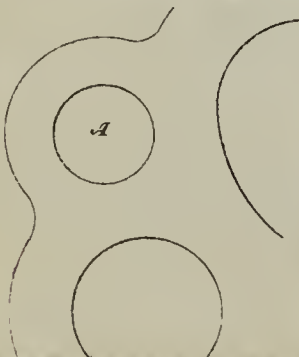
115,832 GEORGE E. UAGER,

PANTALOONS.

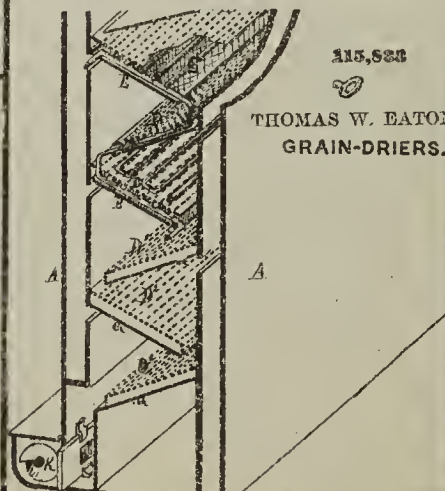


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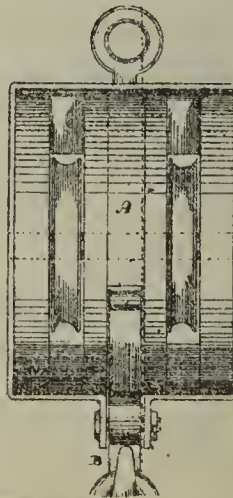
GEORGE H. CREED, SPECTACLE-CLEWS.



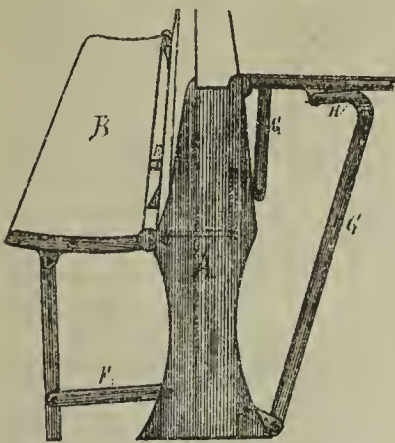
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THOMAS W. EATON,
GRAIN-DRIERS.

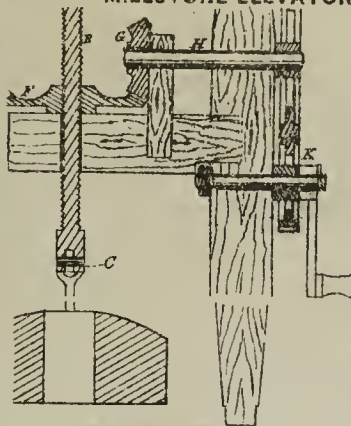
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HICKMAN E. FOSTER,
BOAT-DETACHING APPARATUS.

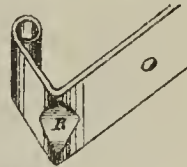
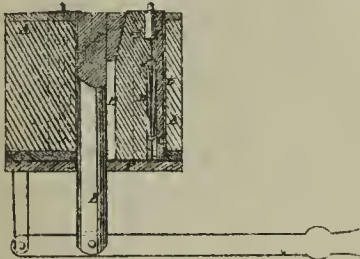
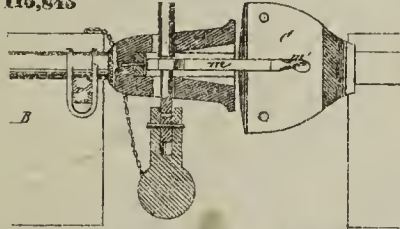
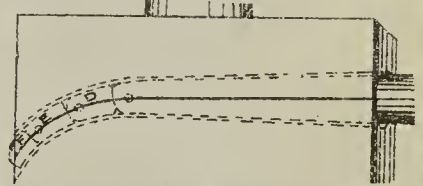
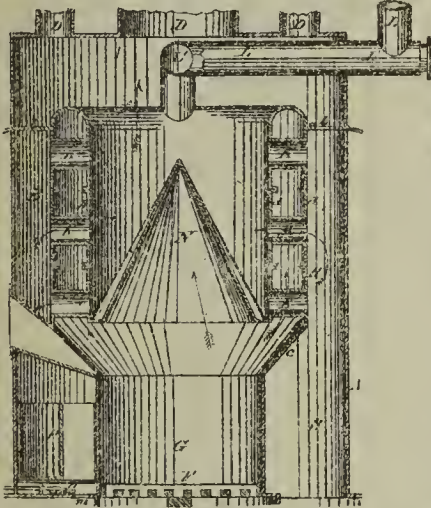
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JOHN H. FRENCH,
SCHOOL-DESKS.

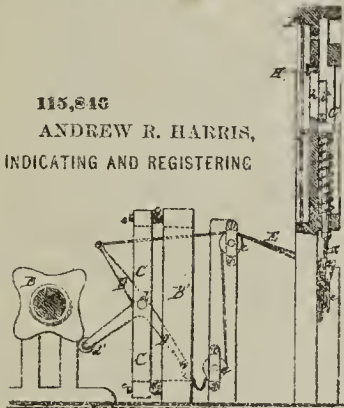
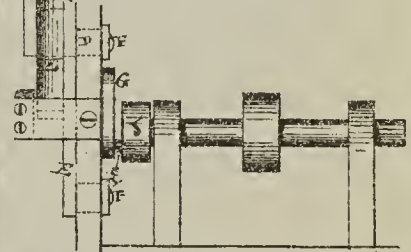
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JOSEPH B. HALL,
MILLSTONE-ELEVATORS.

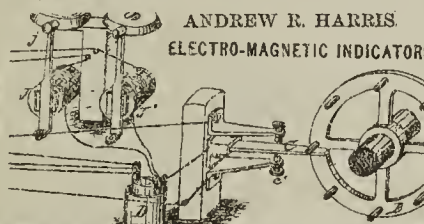
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GEORGE M. HASZINGER,
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115,845115,852 HAYES AND MARTEN,
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HOT-AIR FURNACES.

115,846

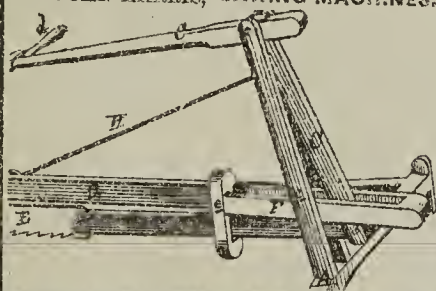
ANDREW R. HARRIS,
INDICATING AND REGISTERING115,853 CHARLES H. HELMS,
POLISHING THE HEELS OF BOOTS AND SHOES.

115,847

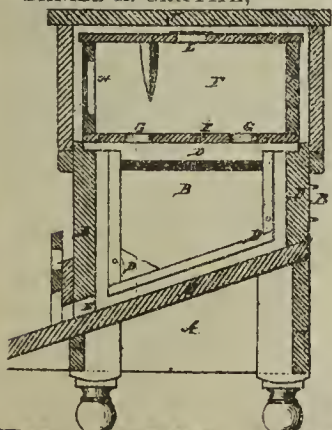
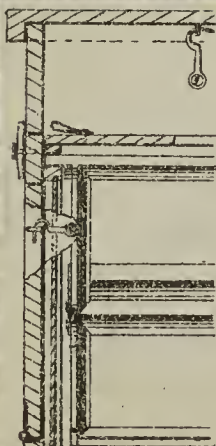
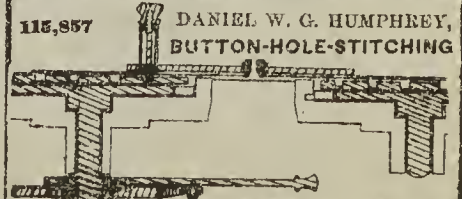
ANDREW R. HARRIS,
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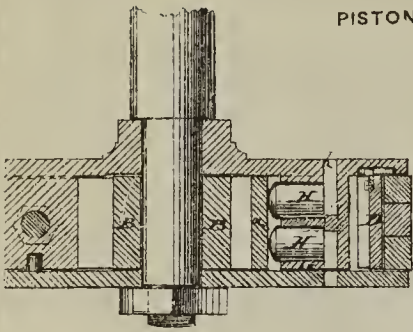
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115,855 HEWITT AND MCAULIFFE,
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115,843 DANIEL M. GRIFFITH, BEE-HIVES.

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EXERCISING-CLUBS.115,857 DANIEL W. G. HUMPHREY,
BUTTON-HOLE-STITCHING

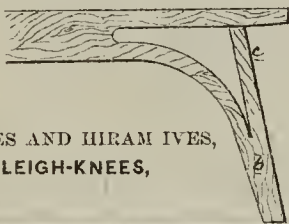
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JOHN ADAM HUSS,
PISTONS

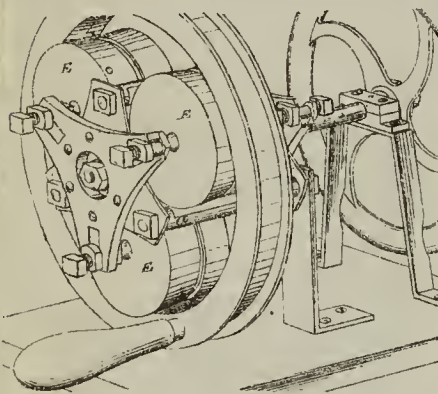
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THOMAS ISHERWOOD.
WOVEN FABRICS.

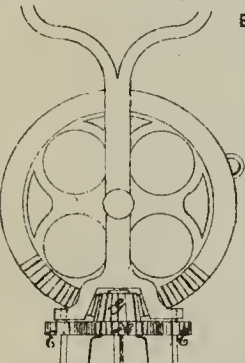
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GEORGE IVES AND HIRAM IVES,
BENT SLEIGH-KNEES,

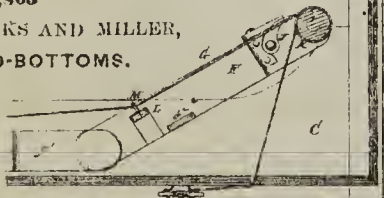
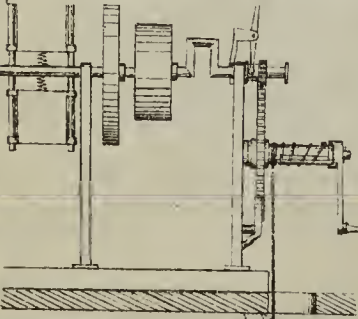
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FREDERICK P. JAQUITH,
TRANSMITTING POWER.

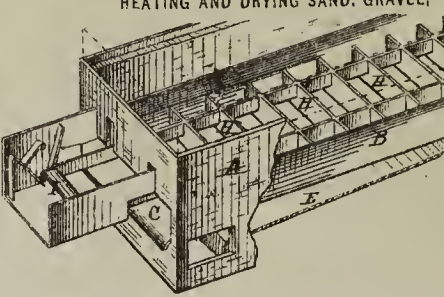
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JENKS AND MARSH,
EGG-BEATERS.

115,863

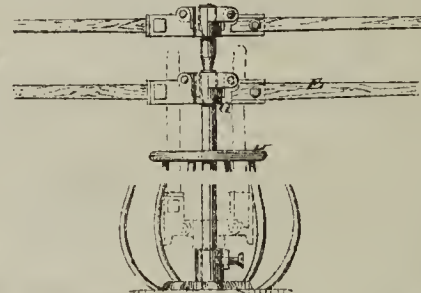
JENKS AND MILLER,
BED-BOTTOMS.115,864 CHARLES L. JOHNSON,
POWERS FOR SMALL MACHINERY.

115,865

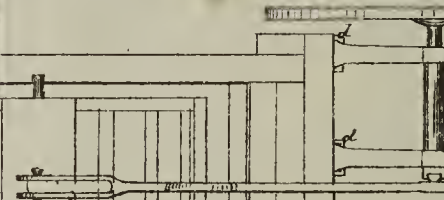
HIRAM R. JOHNSON,
HEATING AND DRYING SAND, GRAVEL.

115,866

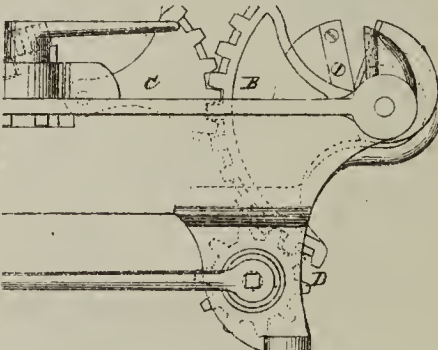
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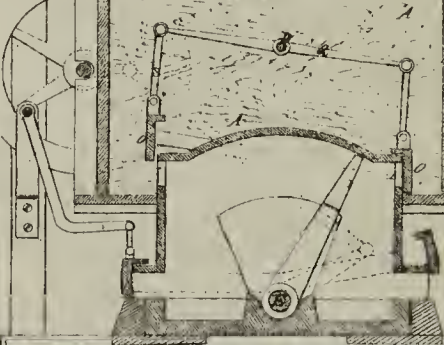
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WILLIAM M. JOHNSTON,
ATTACHMENTS TO WASHING-MACHINES

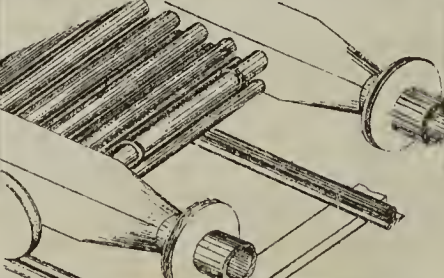
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JAMES C. JORDON,
CUTTING, PUNCHING, AND BENDING TIRES.

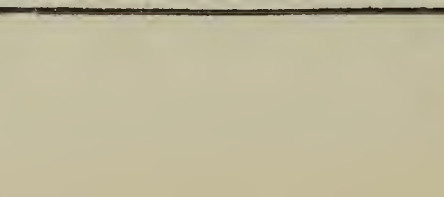
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VOLNEY KROMER,
HYDRAULIC MOTORS.

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GABRIEL H. LAGORCE,
BLAST-HEATING FURNACES

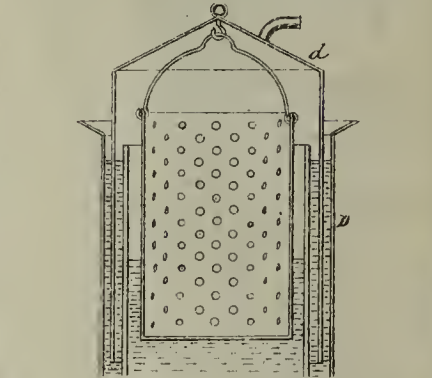
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FREDERICK LAMBE,
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SOLID AND LIQUID HYDROCARBONS.

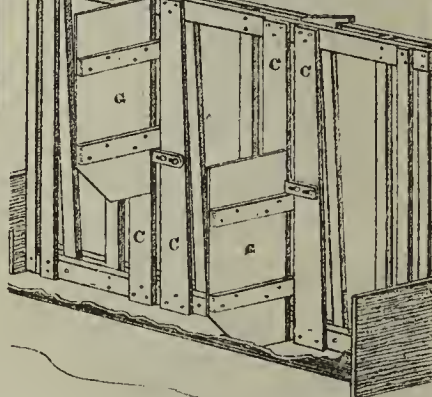
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SEWING-MACHINES.

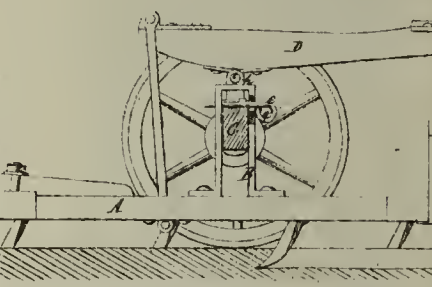
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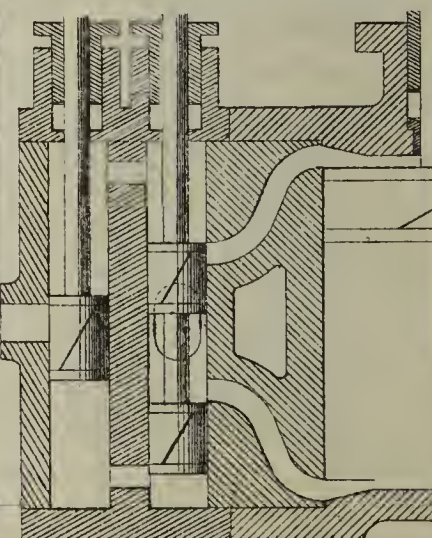
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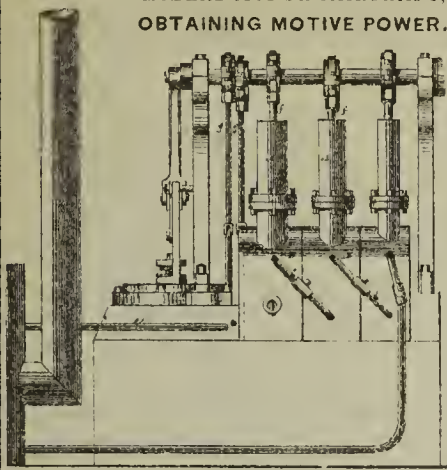
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CULTIVATORS.

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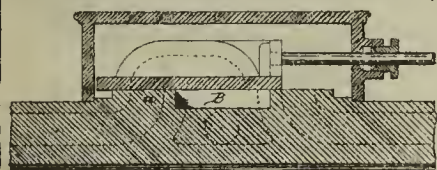
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MOTIVE-POWER ENGINES.

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ROBERT MUDGE MARCHANT,
OBTAINING MOTIVE POWER.

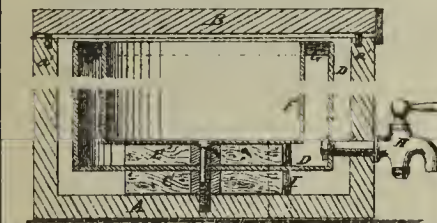
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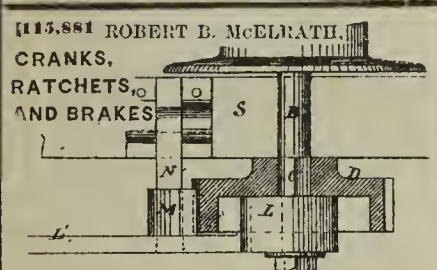
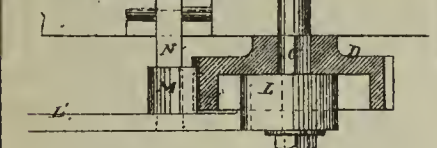
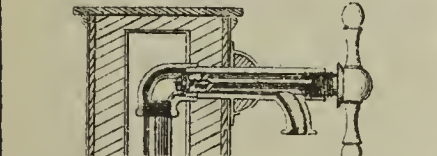


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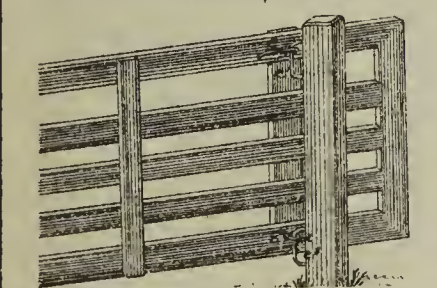
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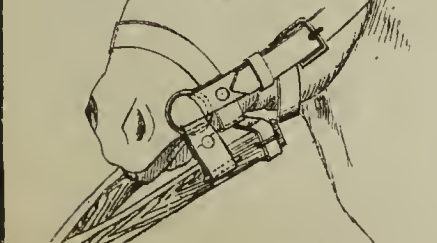
115,880 CHARLES MCBURNEY.

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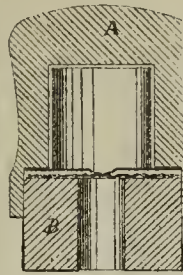
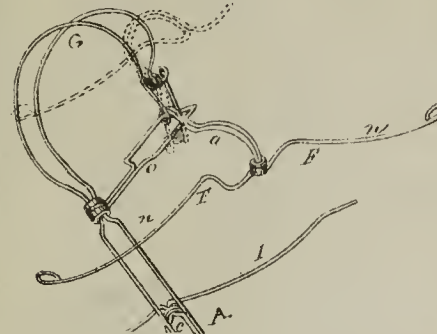
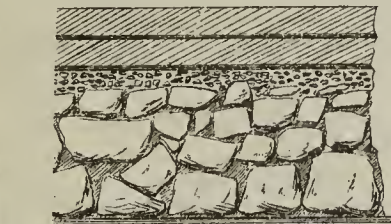
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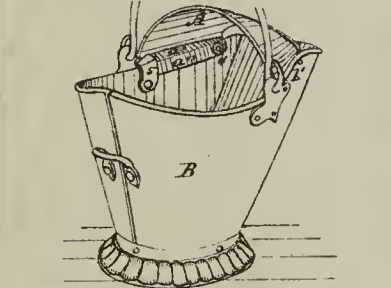
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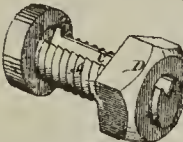
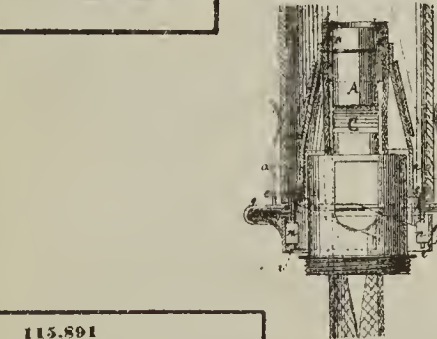
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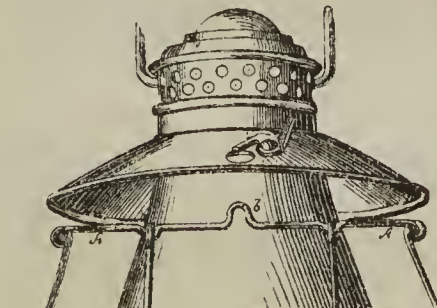
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SEABURY B. PLATT,
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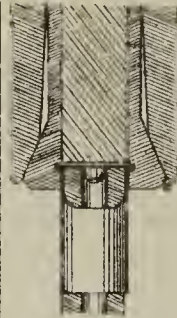
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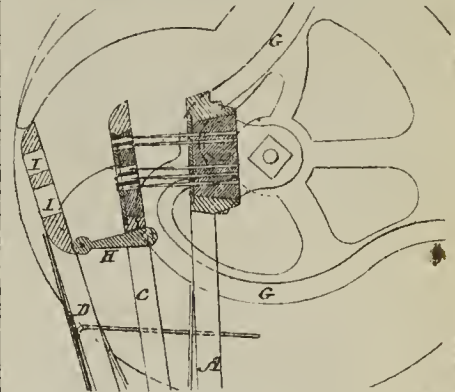
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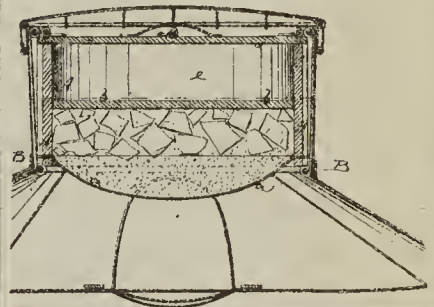
METALLIC CARTRIDGES.



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GEORGE PRATT,
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WELLMIG PREVÔT,
SUN-STROKE PROTECTORS

115,895 ADAM R. REESE. HOSE-PIPES.



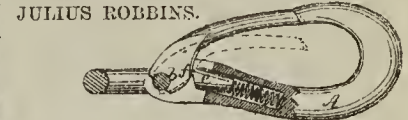
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SNAP-HOOKS.



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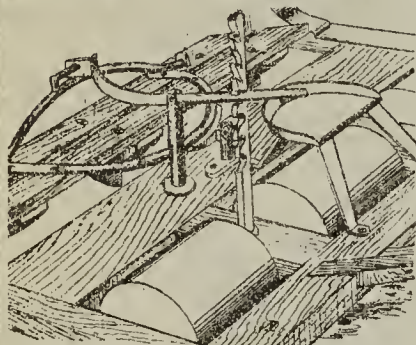


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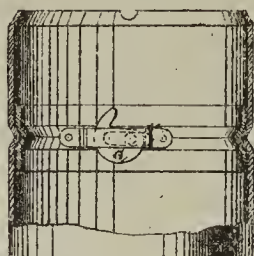
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THOMAS F. ROONEY.

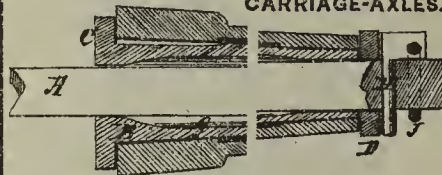
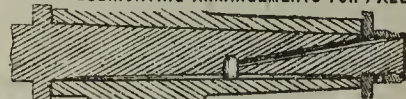
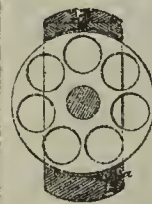
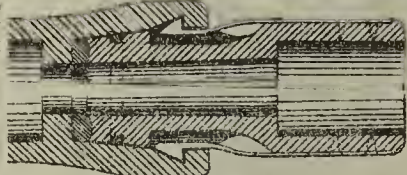
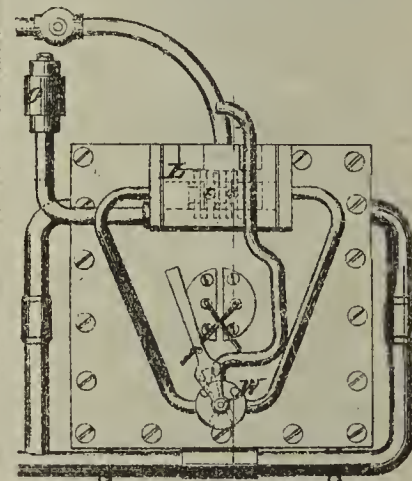
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ROTH AND FÜRST,
ROLLERS AND MARKERS

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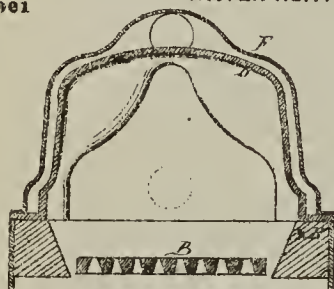
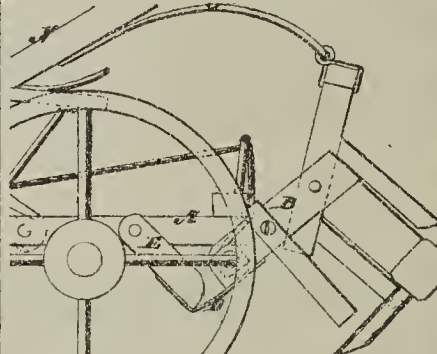
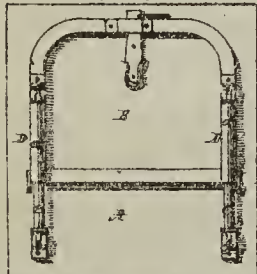
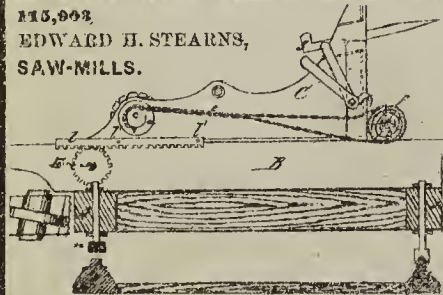
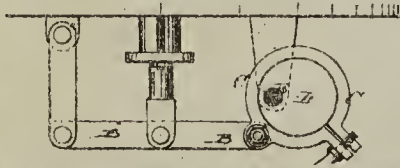
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STOVE-PIPE JOINTS.

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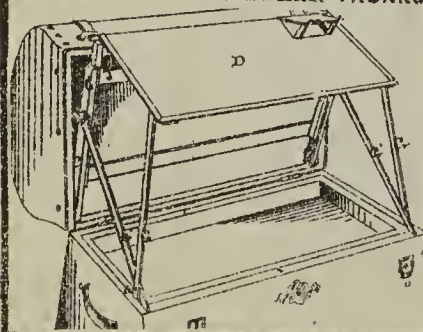
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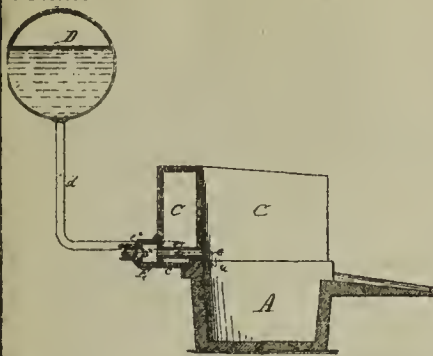
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NAMES-FASTENERS.115,909 MARTIN W. TRESCOTT,
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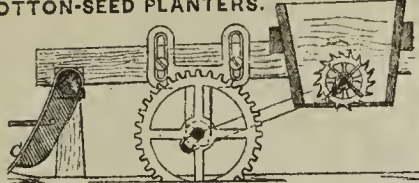
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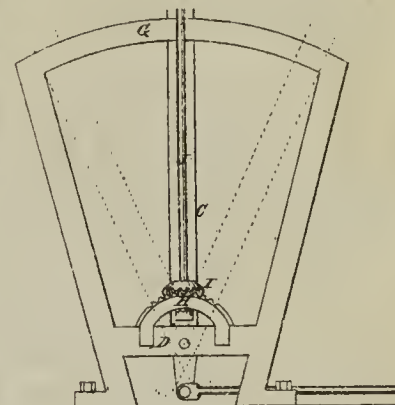
115,921 JOHN V. WOODHOUSE.
FURNACES FOR SMELTING LEAD ORES.



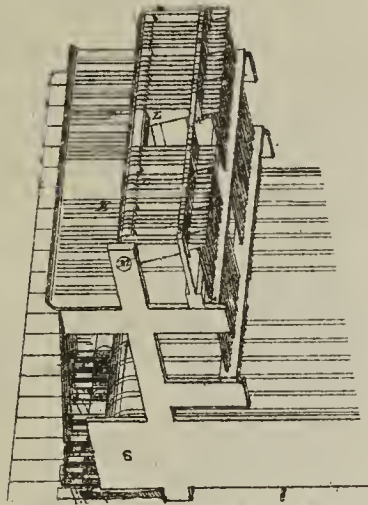
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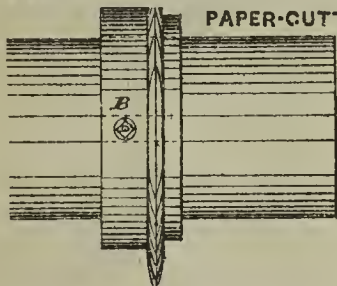
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RAILWAY-SWITCH SIGNALS.



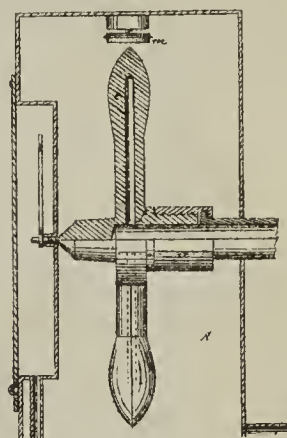
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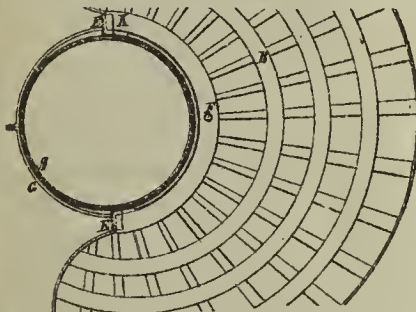
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115,937 JOSEPH W. OREMIN, WATER-METERS.

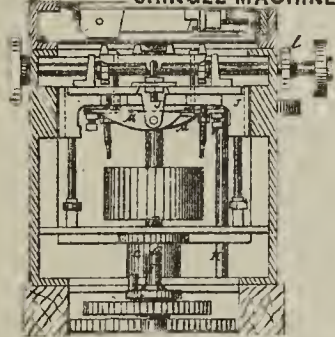


115,923 CHARLES D. WRIGHT.
STOVE WAITERS OR SHELVES.



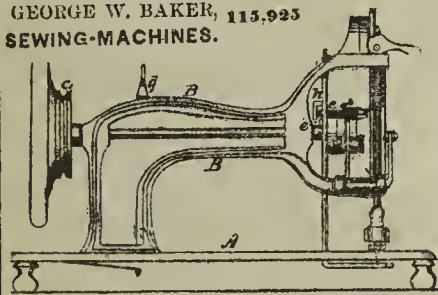
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115,932 GEORGE CHALLONER.
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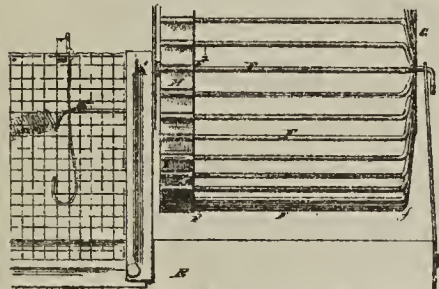


115,924 ANTON GEORG ANDERSON.
COMPOSITION PAVEMENTS.

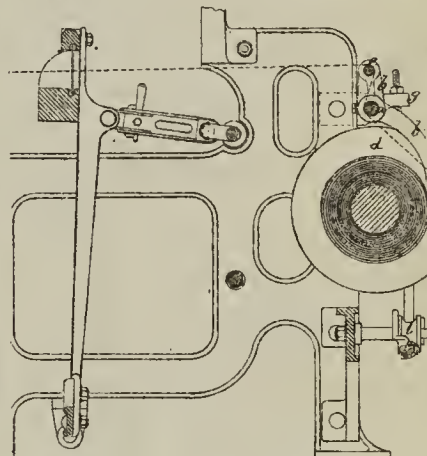
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115,933 WILLIAM F. COLLIER.
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115,938 DAVIES AND YATES, LOOMS.

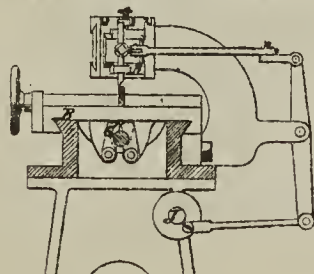


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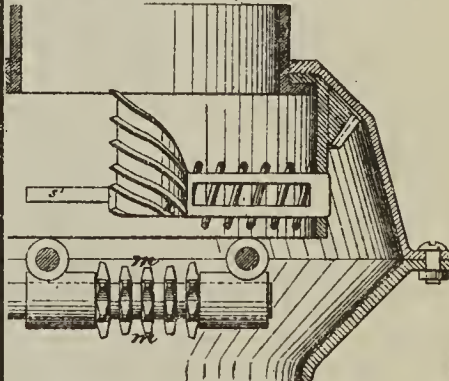


115,926 JOHN EDWARD
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TIN.

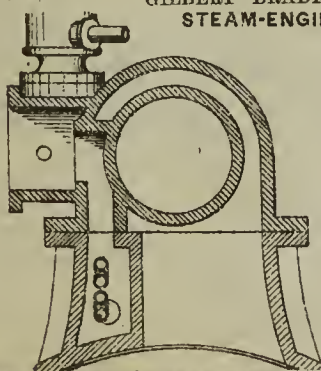
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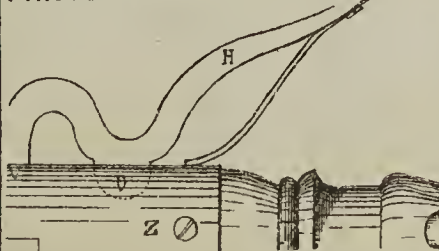
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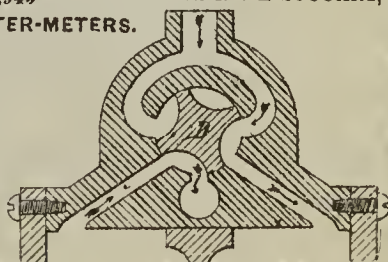
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STEAM-ENGINES.



115,935 MARTHA J. COSTON.
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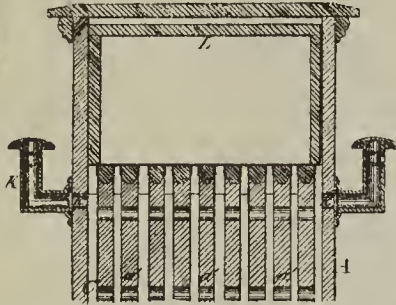


115,940 AUGUSTUS M. DE SOUCHET,
WATER-METERS.

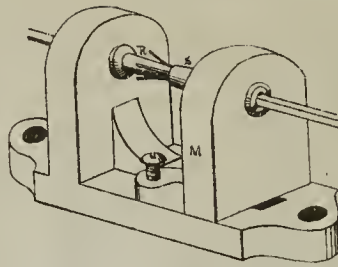


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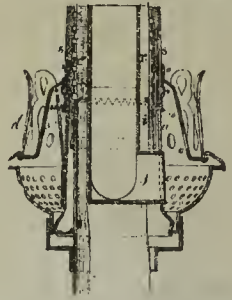
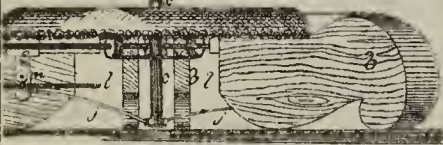
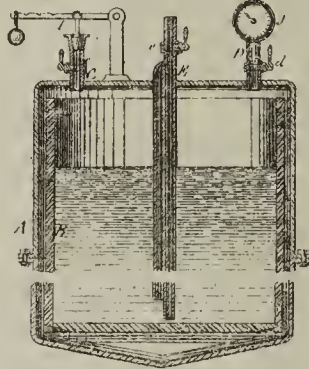
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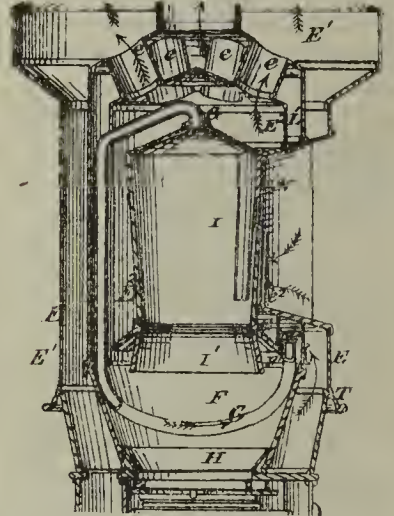
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JOHN C. FOSTER,
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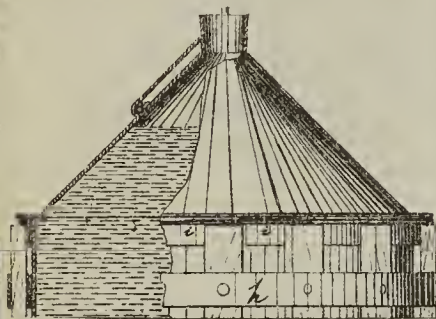
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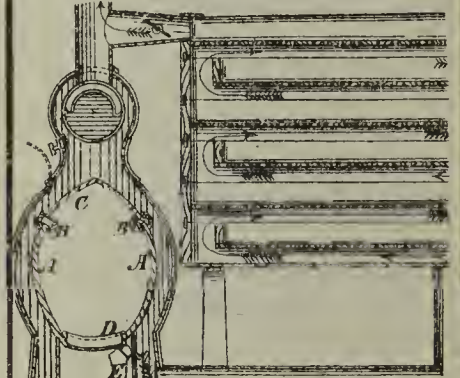
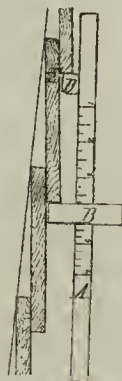
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SHUBAEL E. HEWES,
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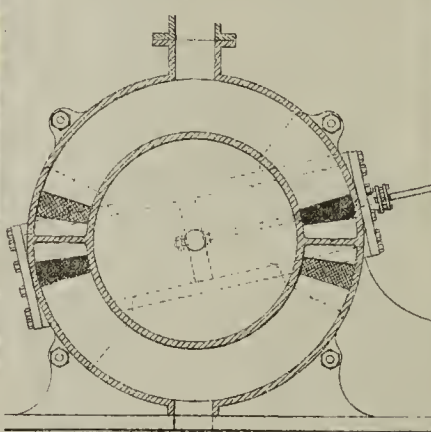
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JOHN G. EVENDEN
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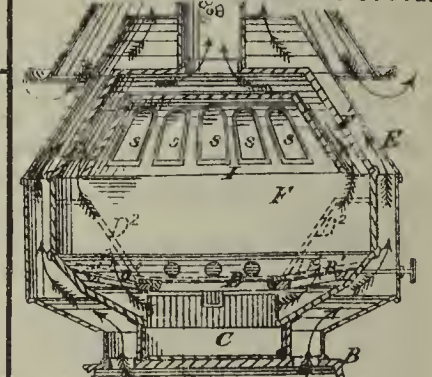
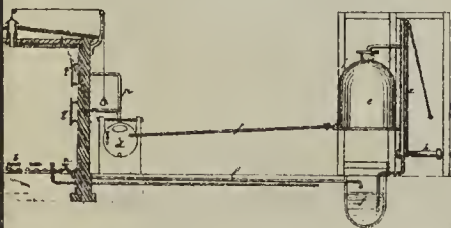
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SHUBAEL E. HEWES,
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HENRY FELLOWS.
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R. BERKELEY FITTS,
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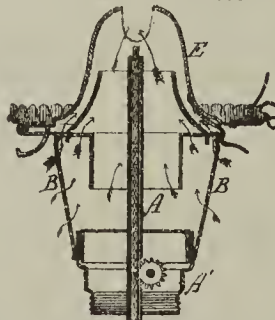
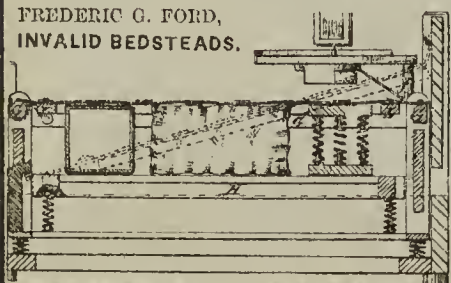
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JOHN GOULDING,
OSCILLATING ENGINES.

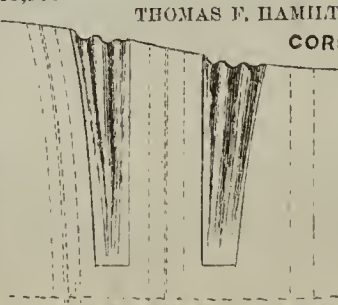
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SHUBAEL E. HEWES,
HEATING-STOVES.115,946 JOHN W. FIELDER,
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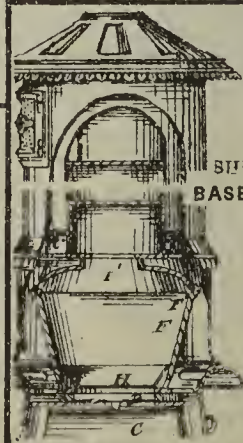
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WILLIAM H. GRAY,
LAMP-BURNERS.115,948
FREDERIC G. FORD,
INVALID BEDSTEADS.

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THOMAS F. HAMILTON,
CORSETS.

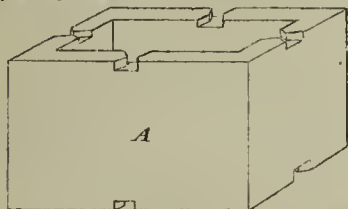
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SHUBAEL E. HEWES,
BASE-BURNING STOVES.

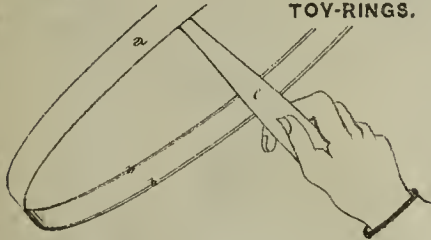
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WOOD PAVEMENTS.

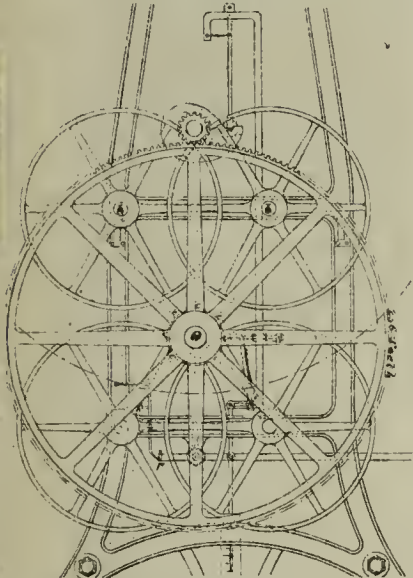
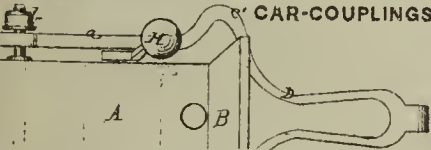
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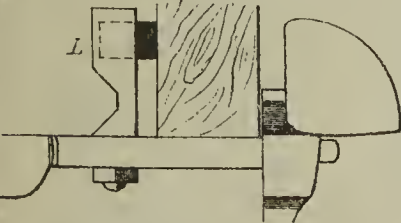
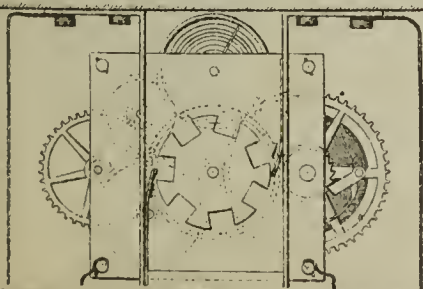
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WILLIAM HUTCHINGS,
TOY-RINGS.

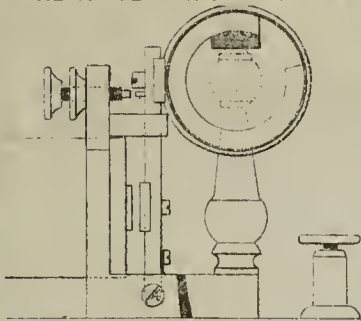
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JOHN STUART JOHNSTONE,
MOTIVE-POWER ENGINES.115,964 TOLBERT LANSTON,
CAR-COUPPLINGS.

115,965 JOHN S. LASH, SHUTTER-FASTENERS.

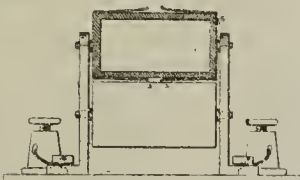
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SWITCHES FOR GALVANIC BATTERIES.

115,967

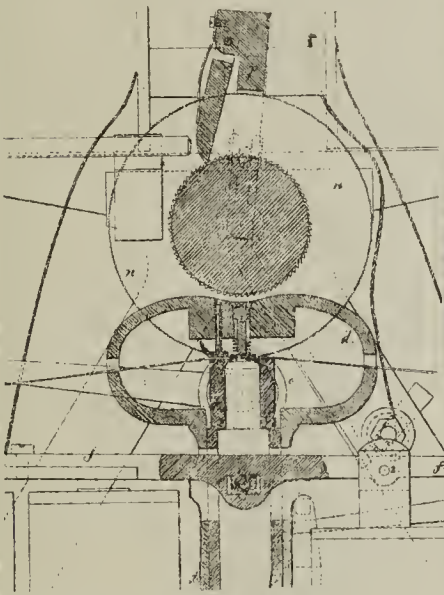
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RELAY-TELEGRAPH INSTRUMENTS.

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GEORGE LITTLE, CIRCUIT-CLOSING ROLLERS



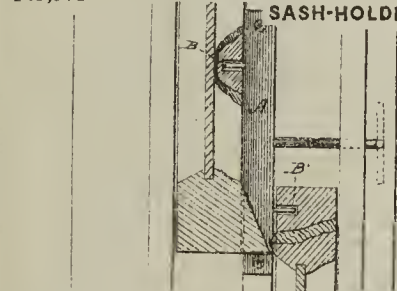
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APPARATUS FOR PERFORATING PAPER

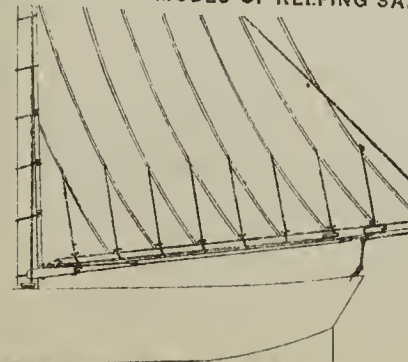
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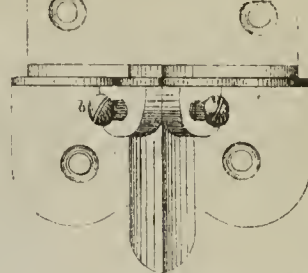
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SASH-HOLDERS.

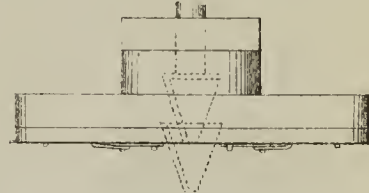
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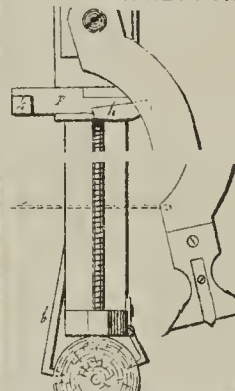
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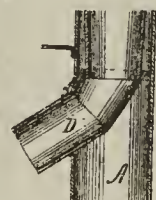
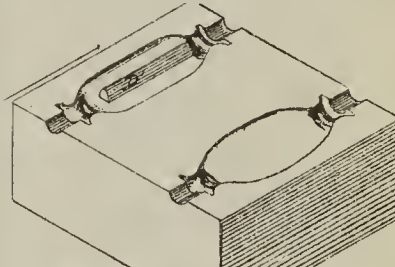
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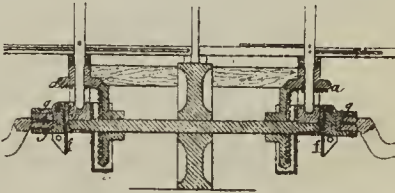
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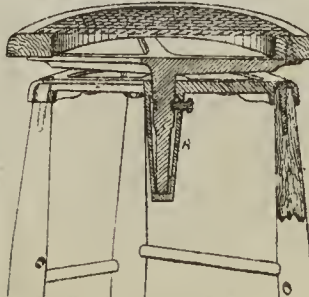
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DIES FOR FORGING KING-BOLTS.115,977
HENRY MYERS,
CUT-OFFS

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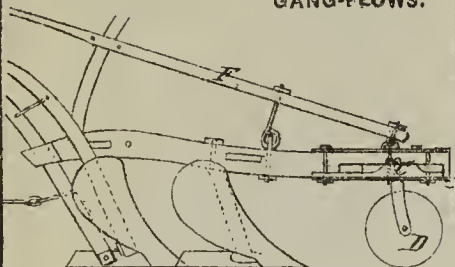
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HENRY OCOOR.

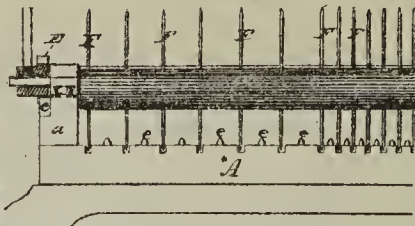
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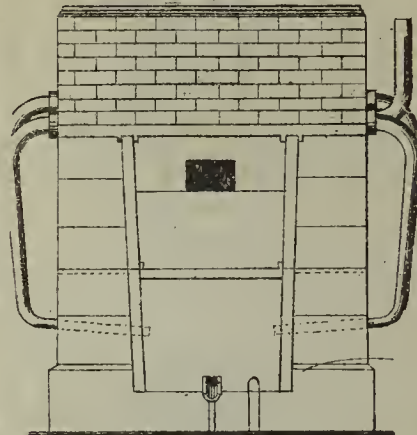
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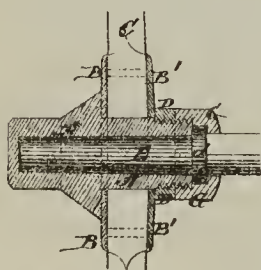
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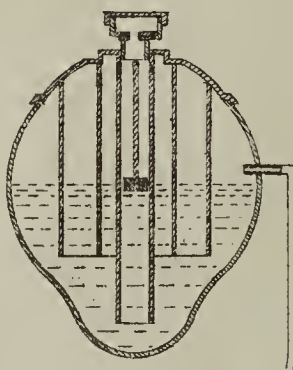
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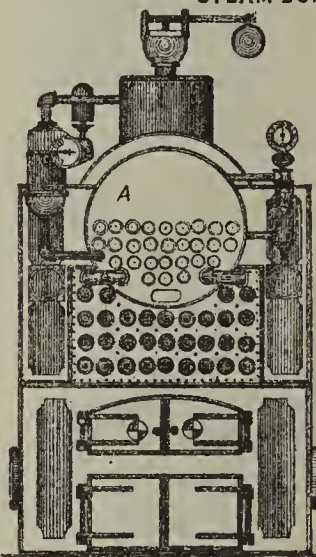
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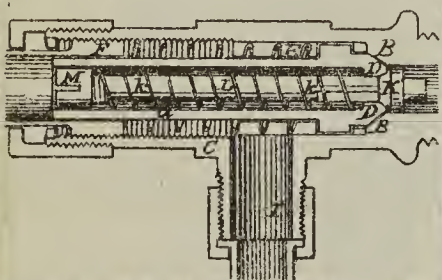
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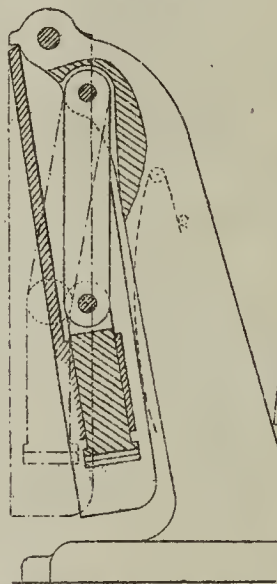
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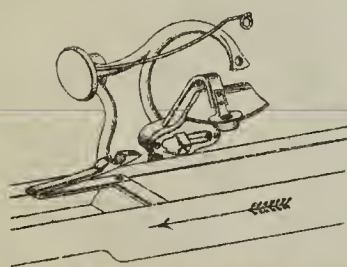
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PRESSURE AND VACUUM VALVES.

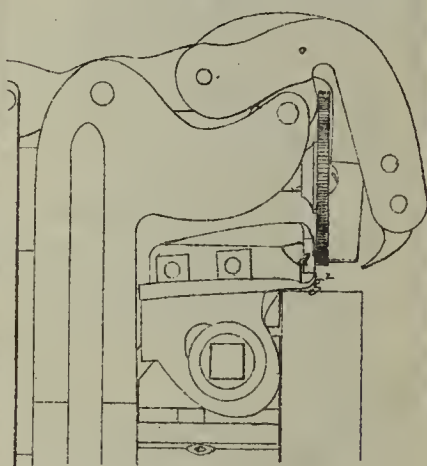
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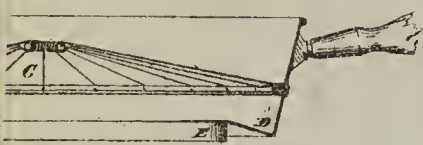
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KNITTING-MACHINES.

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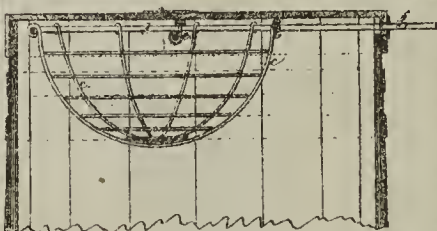
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DAVID E. ROE, BROILERS.



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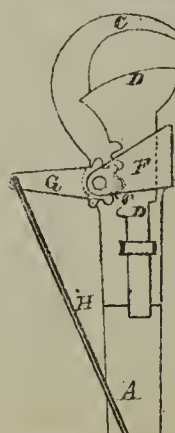
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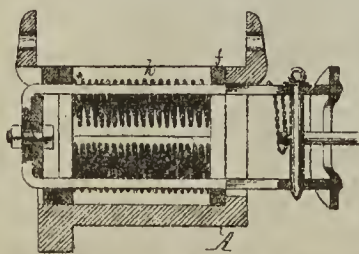
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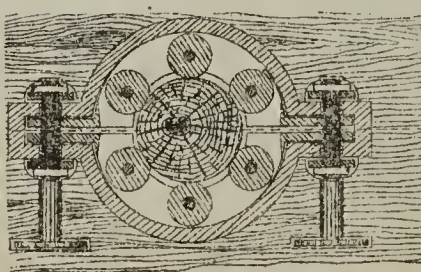
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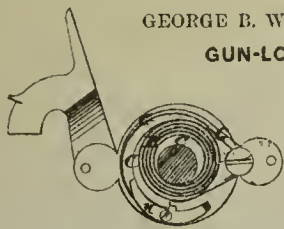
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LEVI P. THURSTON,
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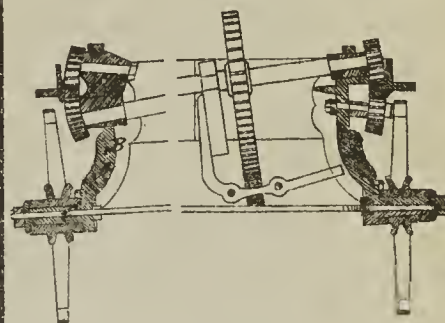
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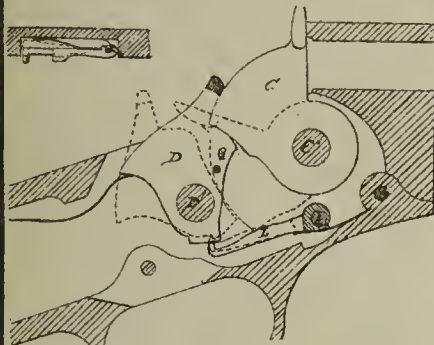
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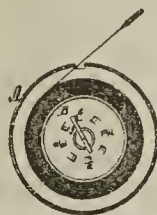
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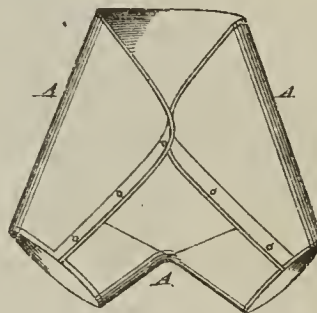
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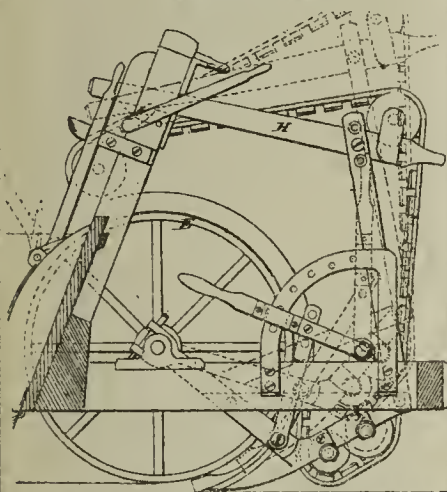
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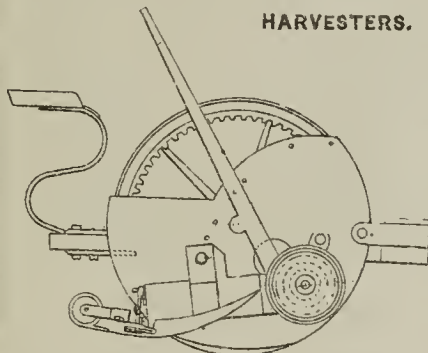
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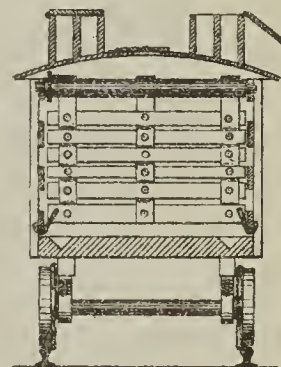
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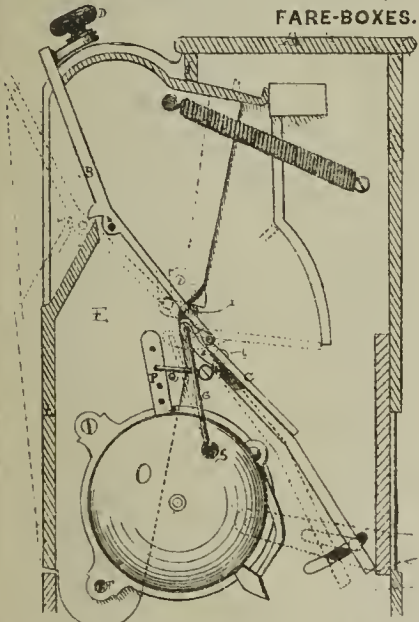
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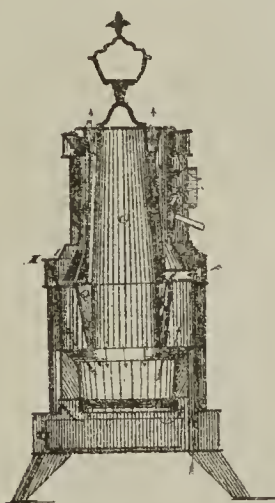
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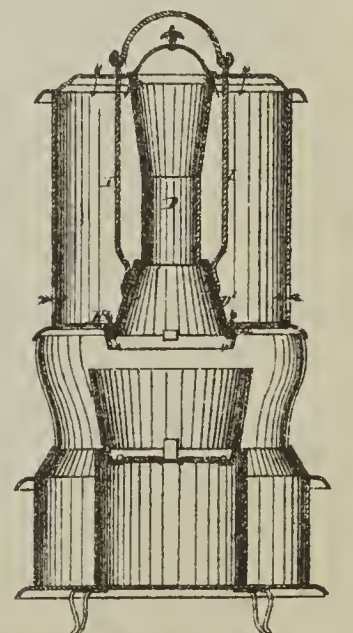
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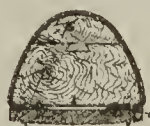
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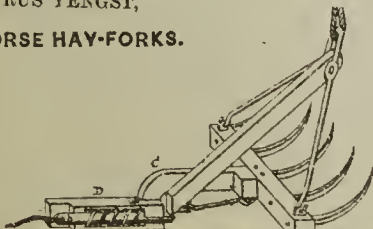
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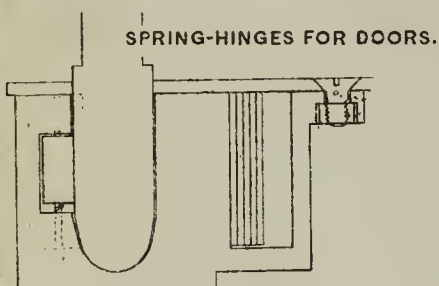
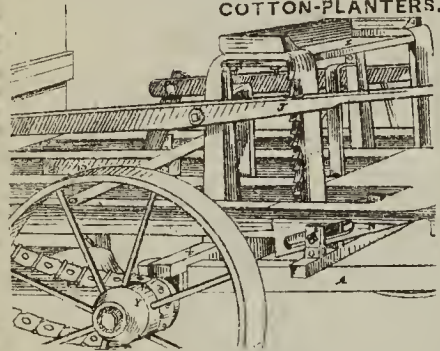
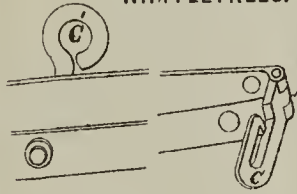
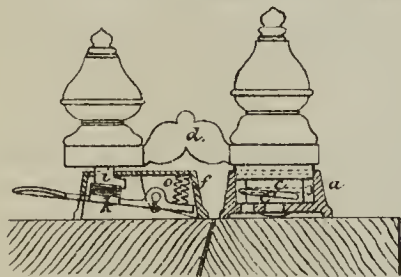
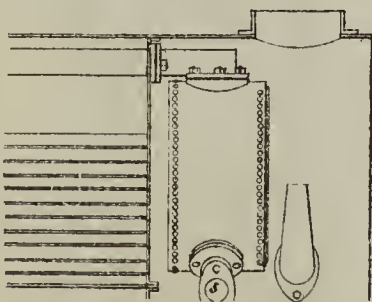
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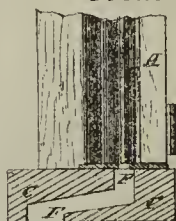
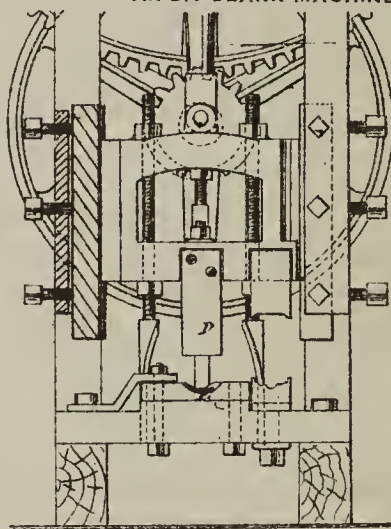
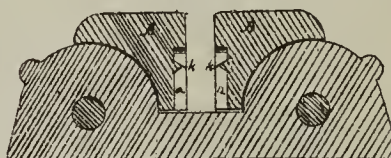
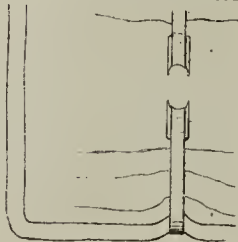
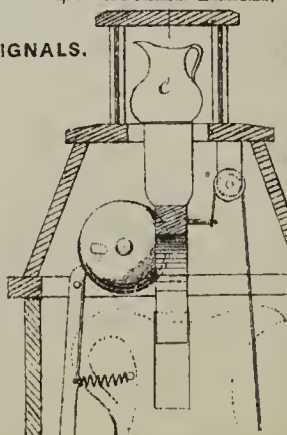
CYRUS YENGST,
HORSE HAY-FORKS.

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116,002 ROBERT ADAMS.

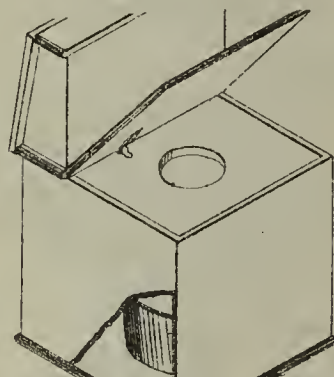
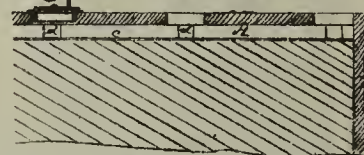
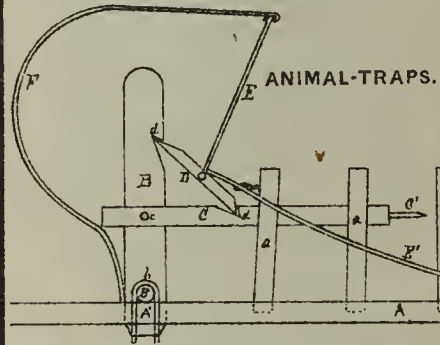
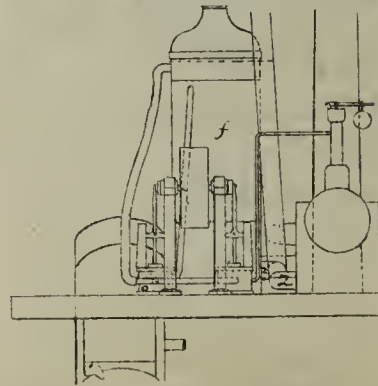
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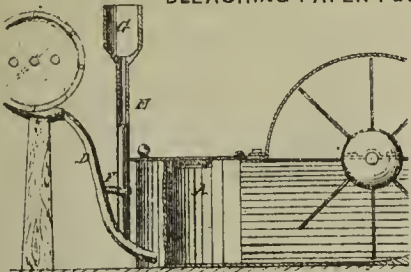
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116,015 EARTH-CLOSETS.

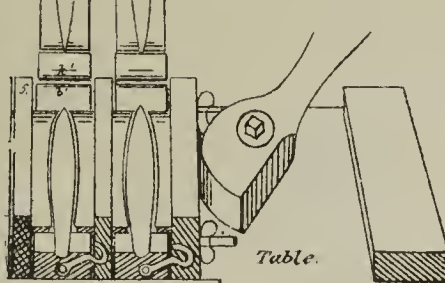
WILLIAM JOSEPH BRADSHAW.

116,016 SAMUEL C. BREWER,
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OFFICE-INDICATORS116,019 GOTTLIEB F. BURKHARDT,
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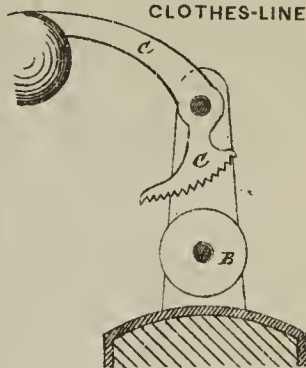
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BLEACHING PAPER-PULP.



116,026 SETH L. COLE,
CIGAR-MACHINES.



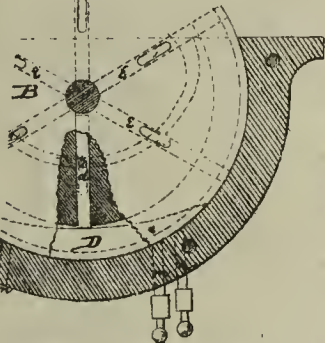
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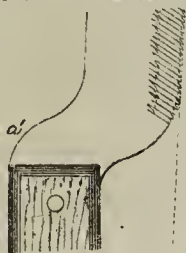
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116,022 WARREN CASE,
ROTARY ENGINES.



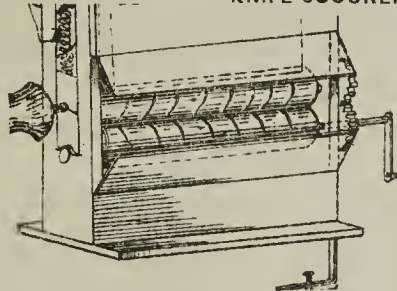
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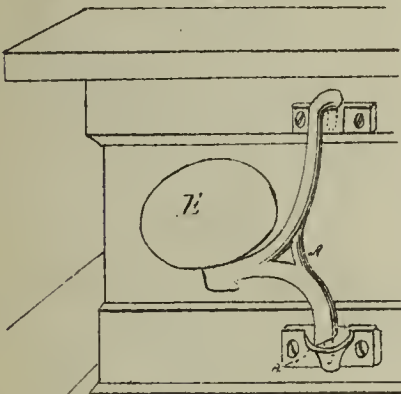
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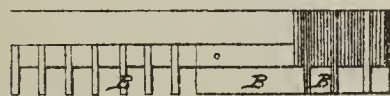
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KNIFE-SCOURERS



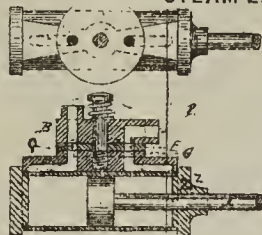
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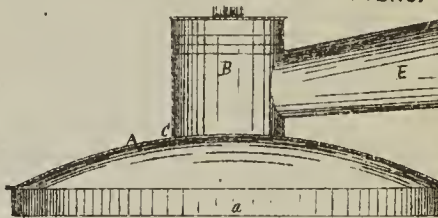
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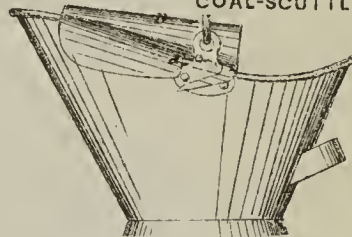
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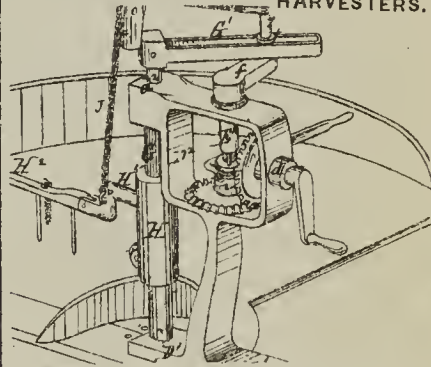
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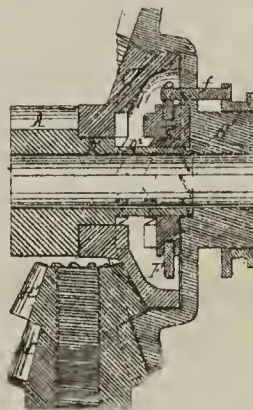
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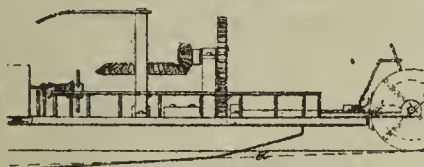
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HARVESTERS.



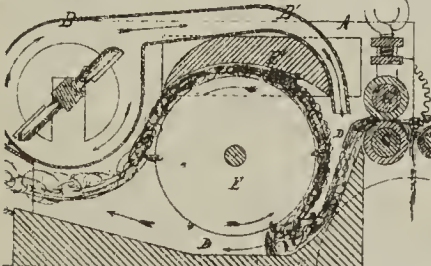
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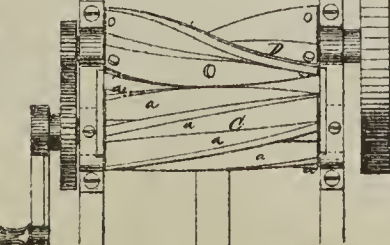
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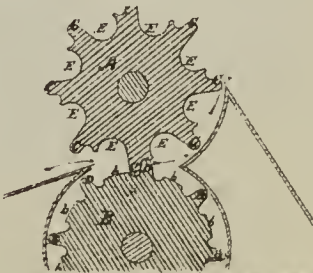
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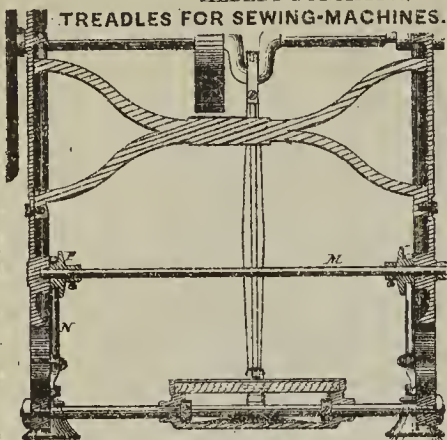
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116,039 MOORE R. FLETCHER,
PULP-ENGINES OR CRUSHERS.



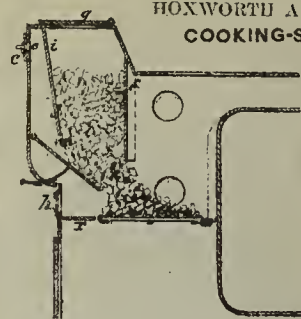
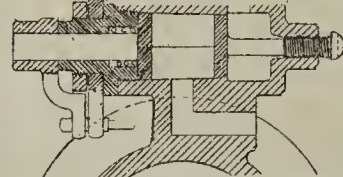
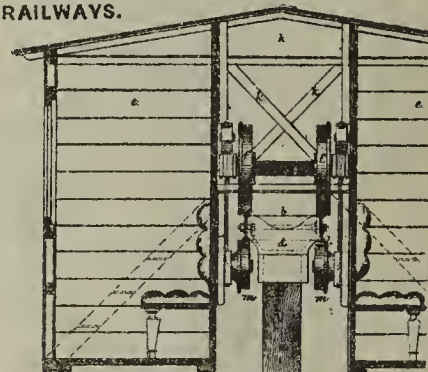
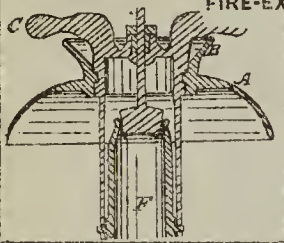
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116,050 DAVID GRIM, FELLY-CLIPS



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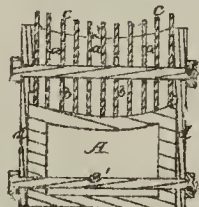
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CHARLES H.
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FERMENTING
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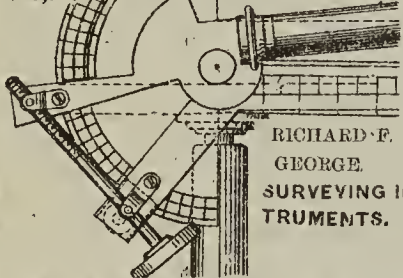
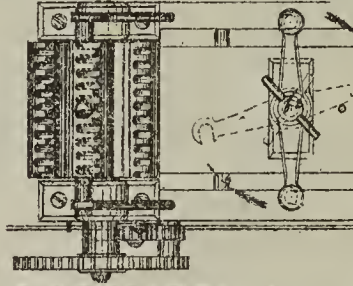
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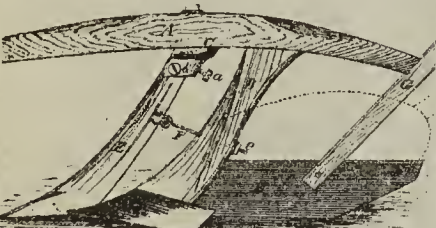
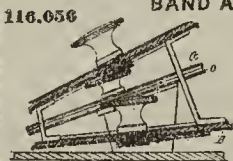
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JAMES SHELDON
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116,016

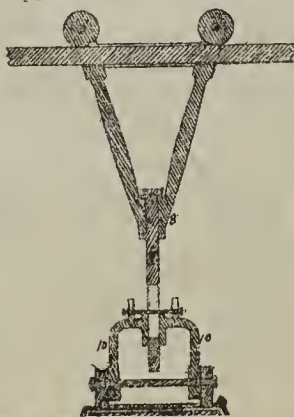
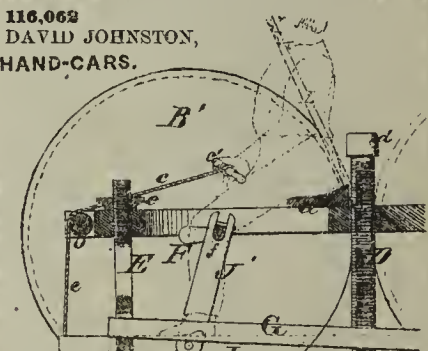
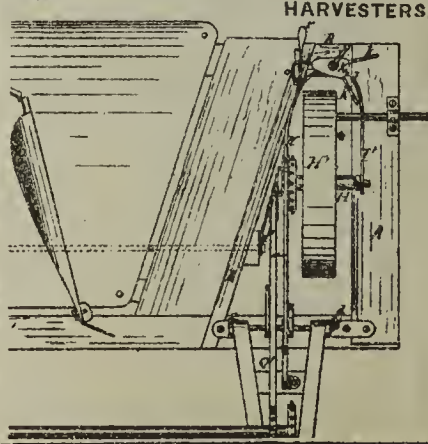
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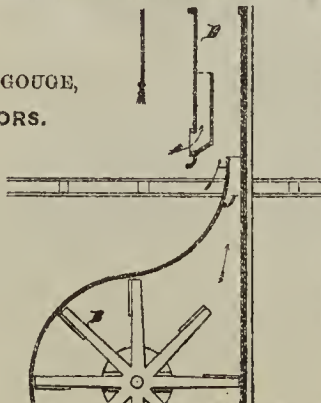
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ELIJAH LEAVITT HOWARD,
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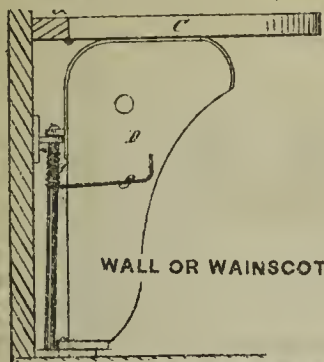
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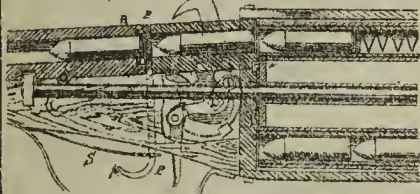
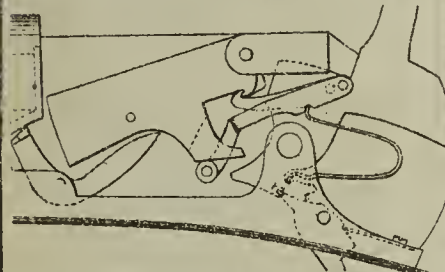
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116,064 JOHN L. KAPPLE,

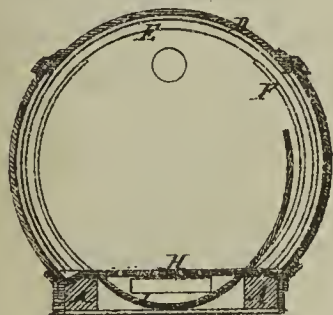
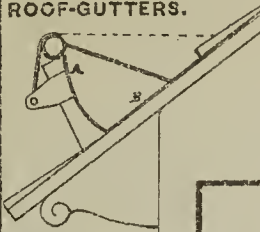


WALL OR WAINSCOT CHAIRS.

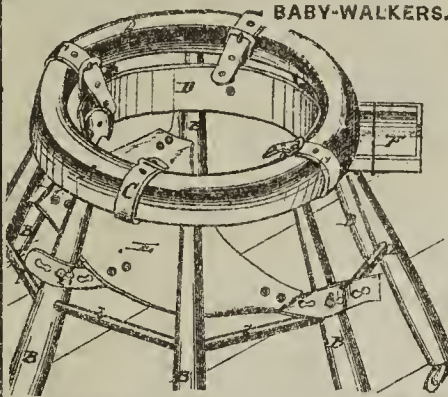
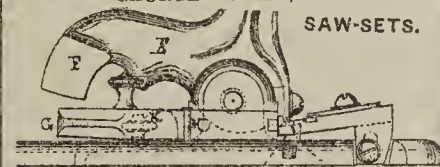
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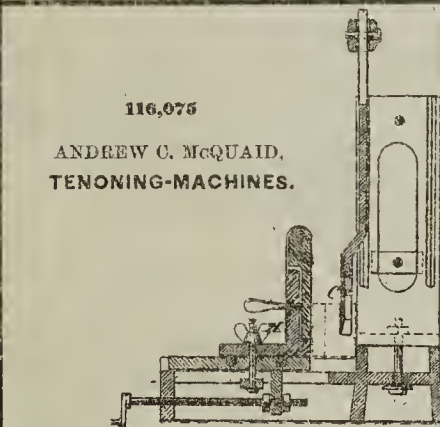
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116,070 GEORGE W. LEONARD,
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WATER-WHEELS.116,072 JAMES F. LOCKWOOD,
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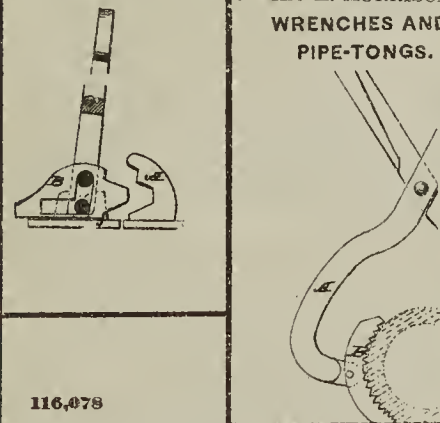
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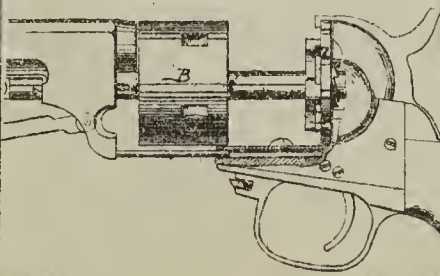
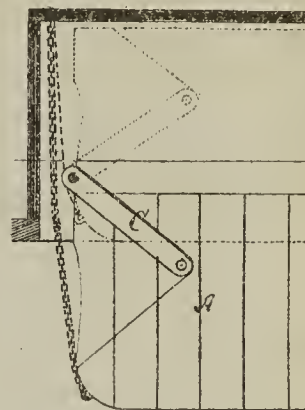
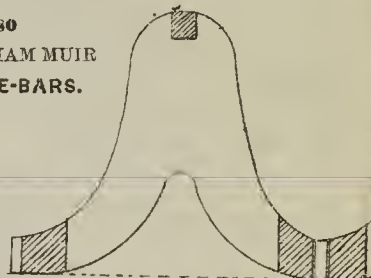
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OF SASHES.

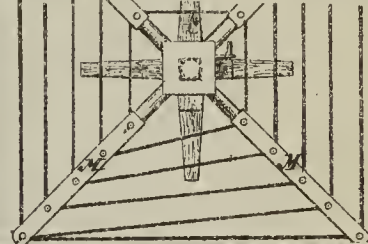
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JAMES A. MORRISON,
WRENCHES AND
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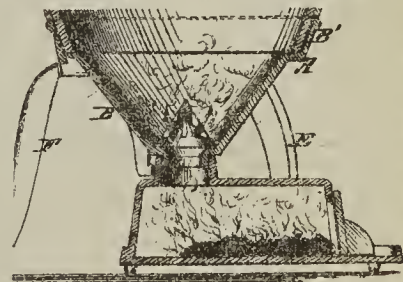
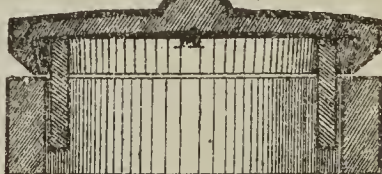
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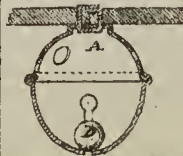
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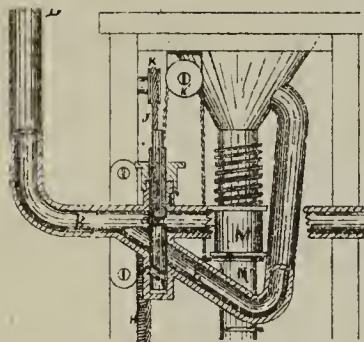
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SAFETY-VALVES.

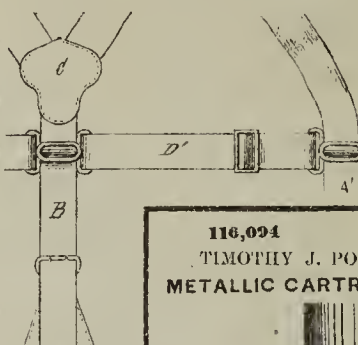
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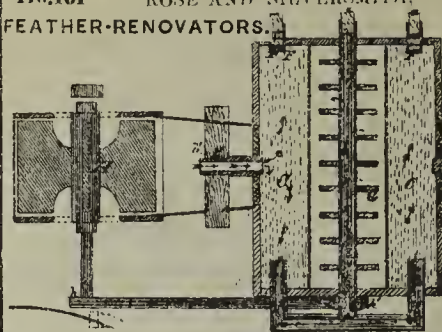
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ATTACHMENTS TO WASH-BASINS.



116,093 POTTER AND SMITH,
SUSPENDER AND SHOULDER-BRACES.



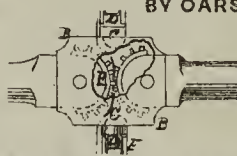
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FEATHER-RENOVATORS.



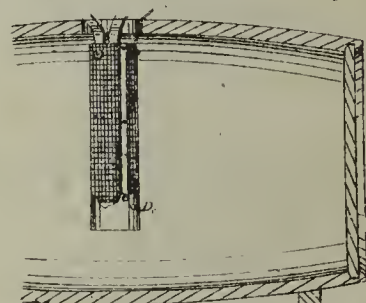
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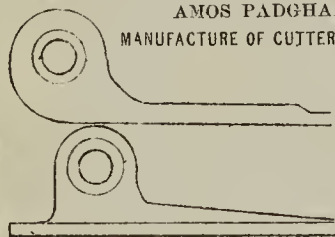
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PROPELLING BOATS
BY OARS.



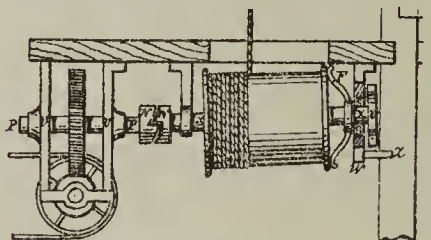
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TREATMENT OF SACCHARINE LIQUIDS.



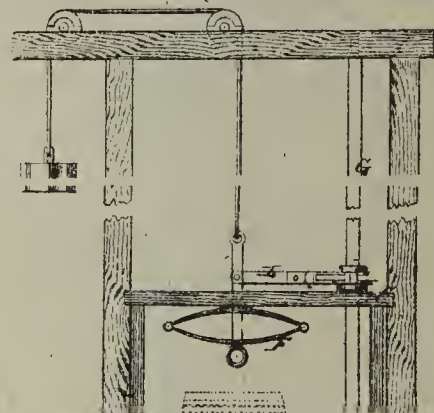
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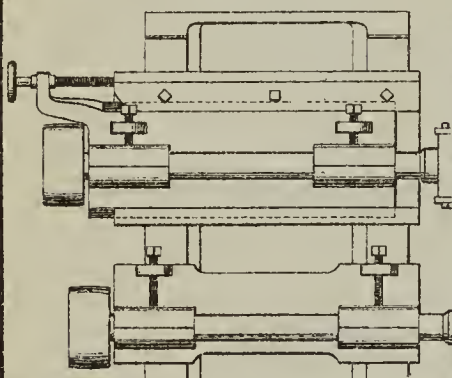
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HOISTING-MACHINES.



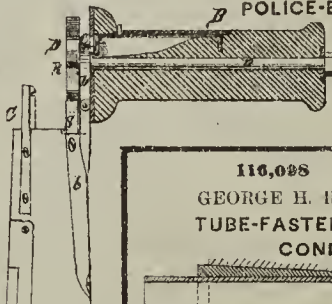
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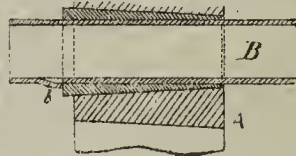
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116,097 HENRY C. REICHARD,
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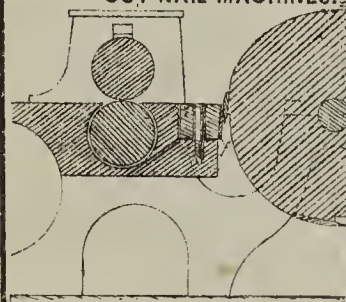
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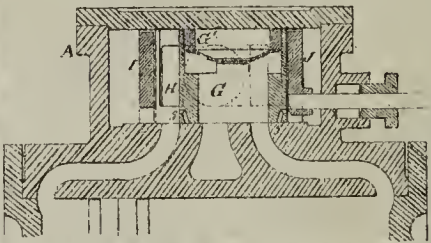
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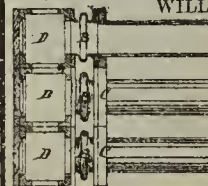
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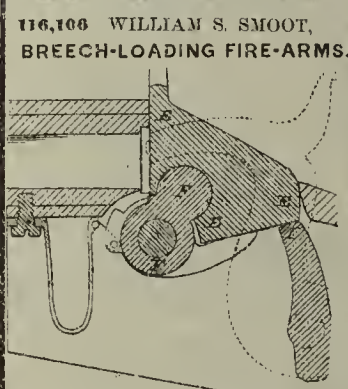
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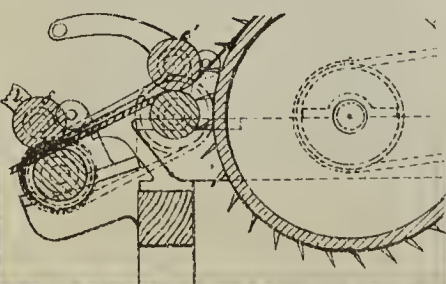
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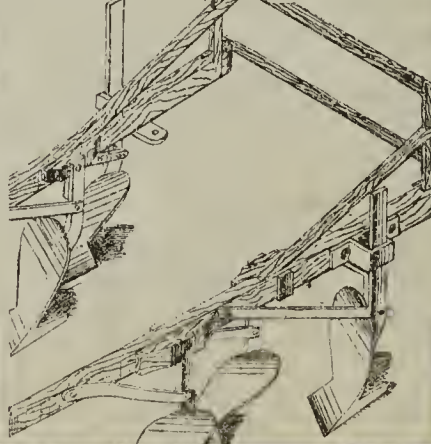
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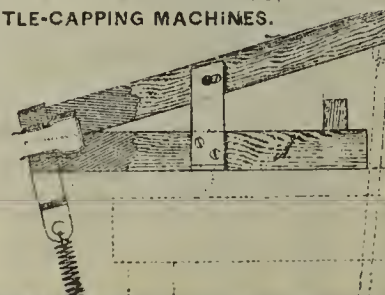
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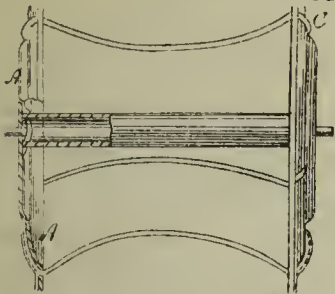
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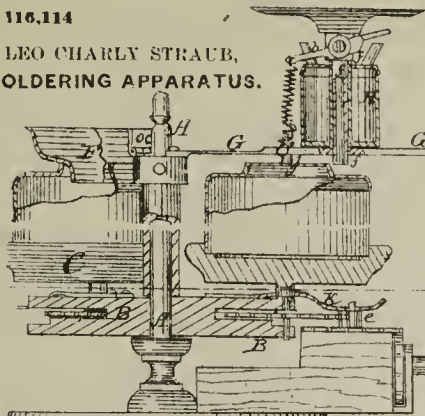
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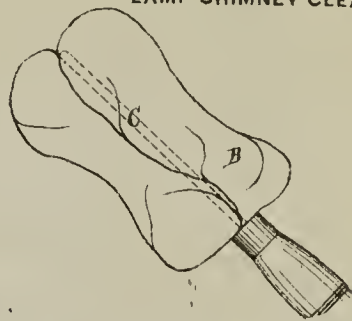
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JOHN N. STEARNS,
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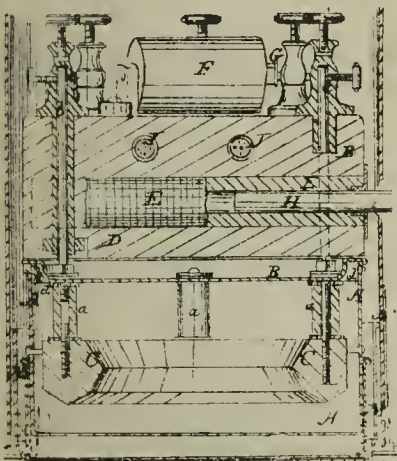
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LEO CHARLY STRAUB,
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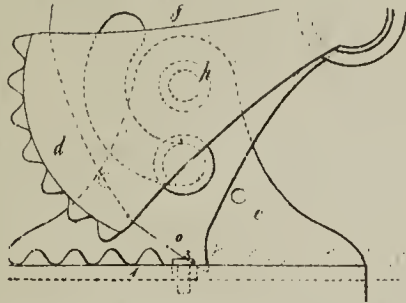
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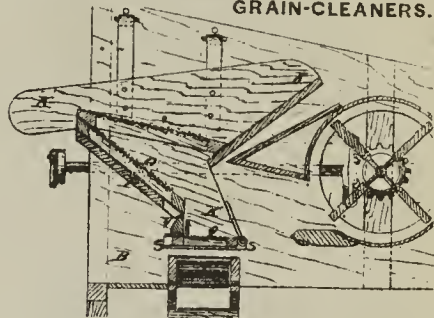
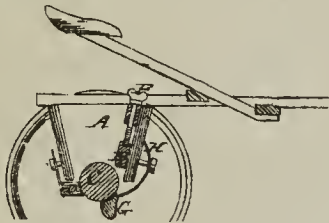
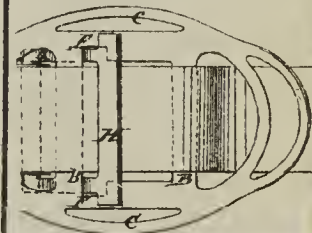
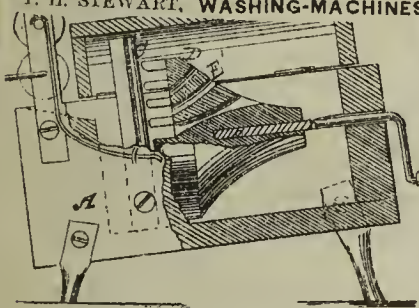
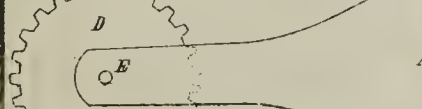
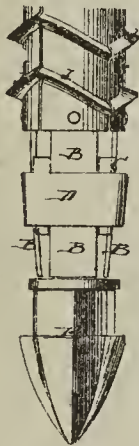
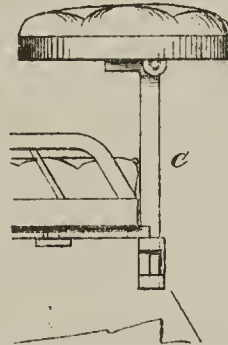
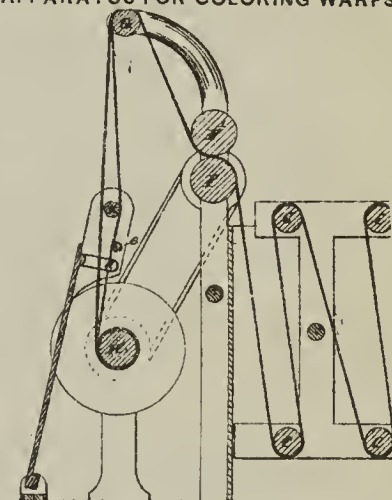
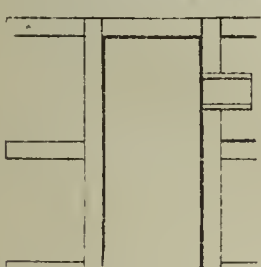
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MEDICAL APPARATUS

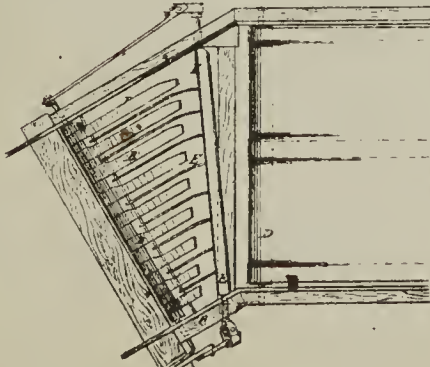
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JOSHUA E. SWIFT,
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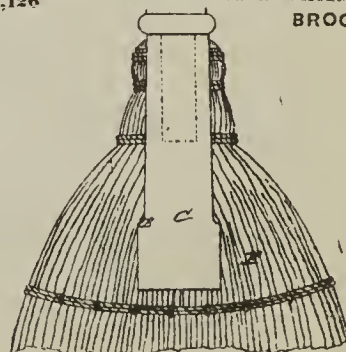
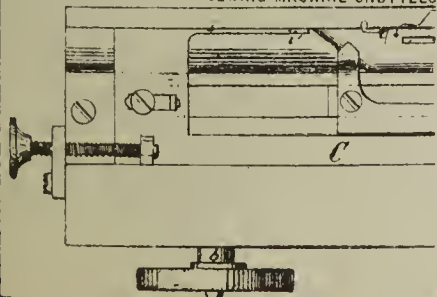
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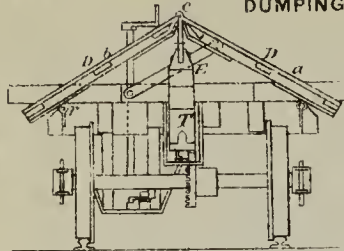
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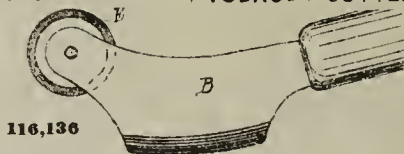
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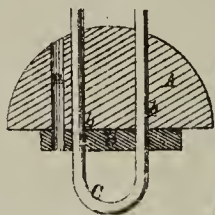
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JACOB C. WISWELL
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WILLIAM J. ANDREWS,
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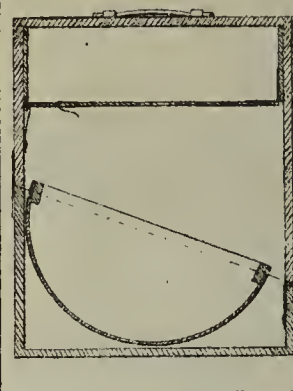
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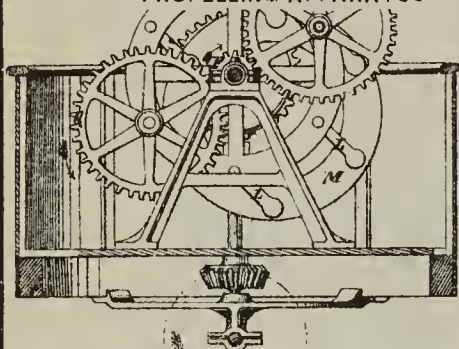
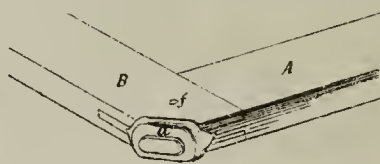
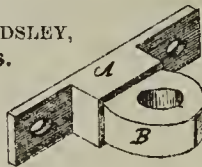
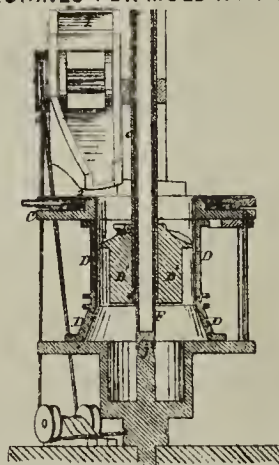
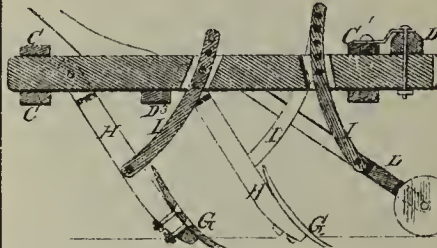
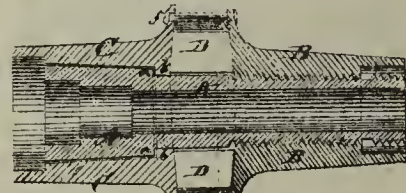
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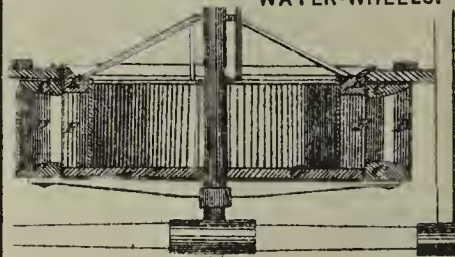
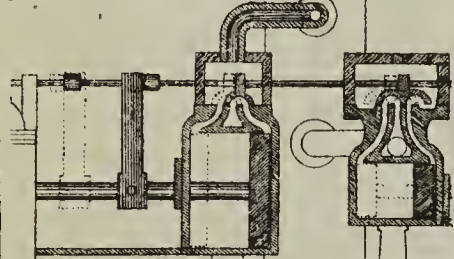
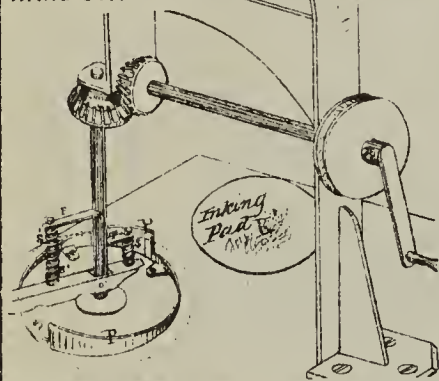
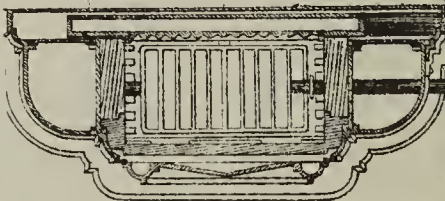
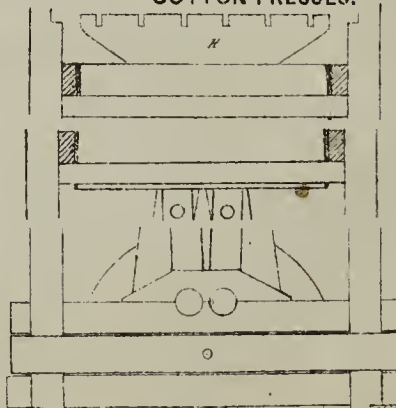
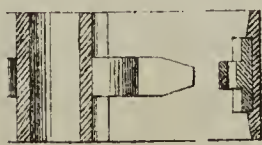
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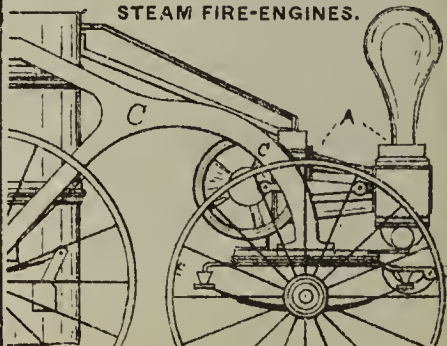
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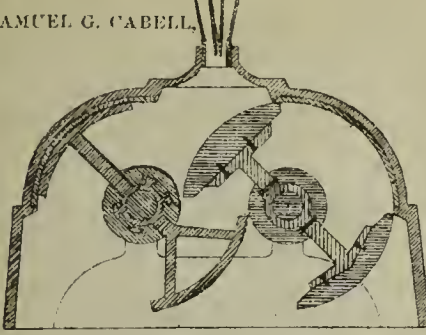
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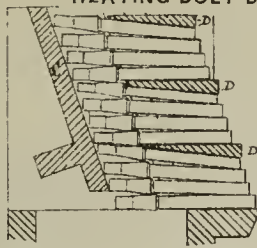
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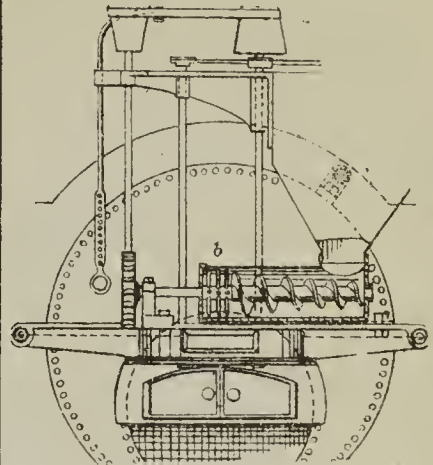
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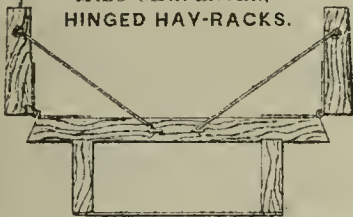
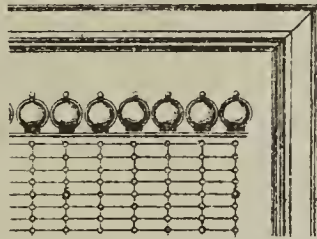
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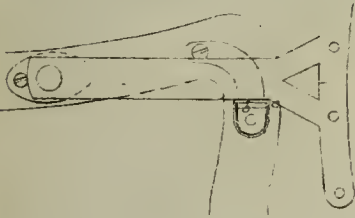
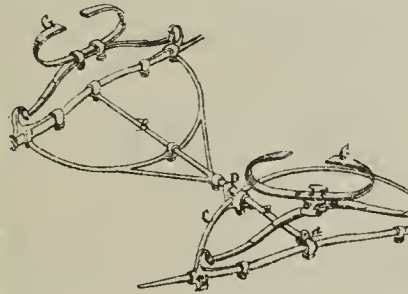
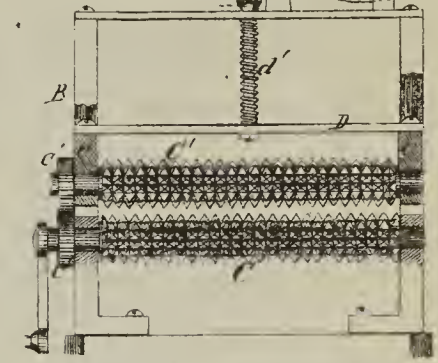
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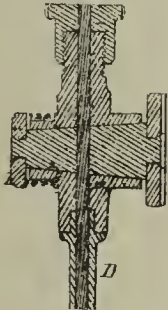
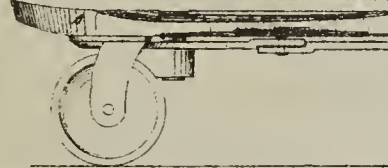
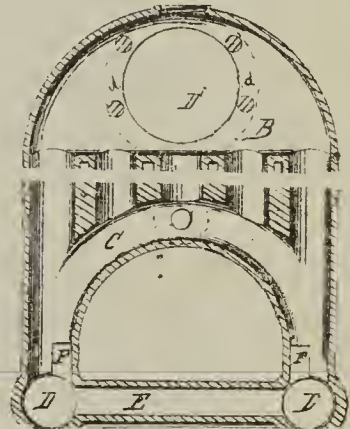
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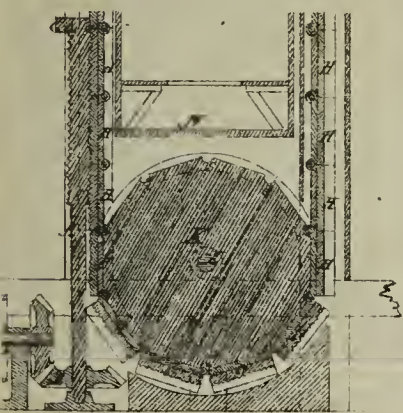
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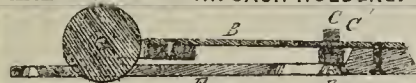
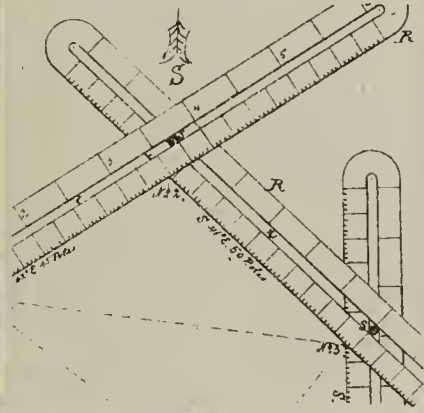
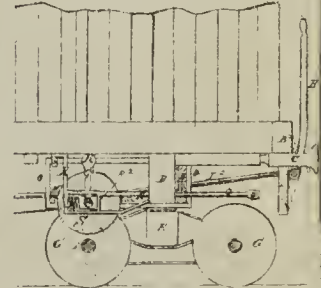
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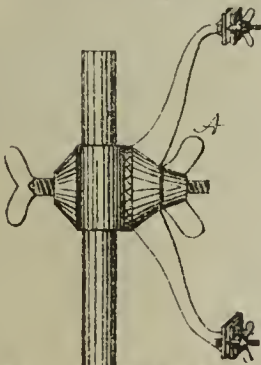
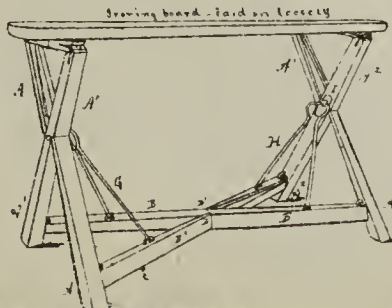
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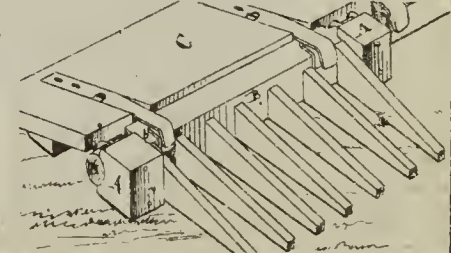
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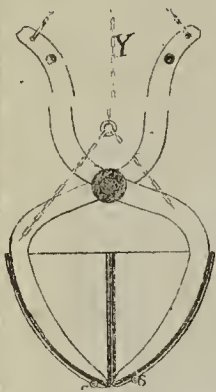
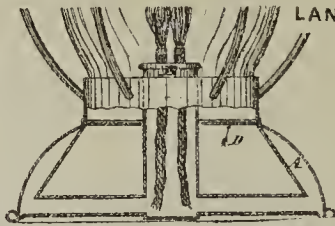
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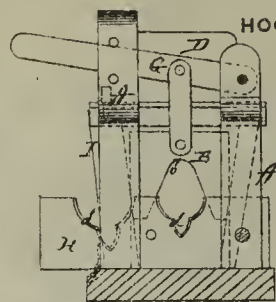
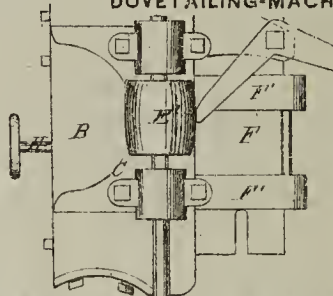
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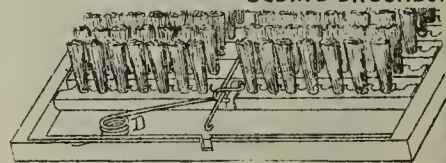
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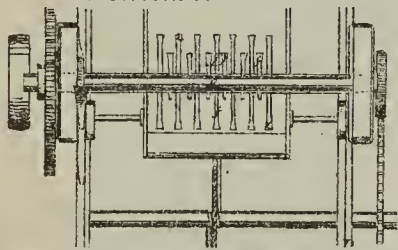
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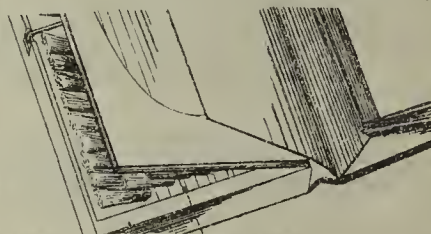
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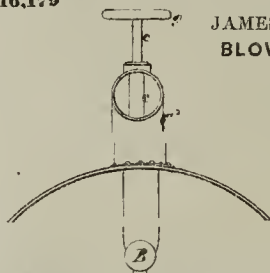
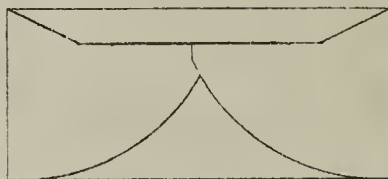
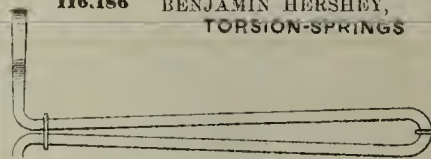
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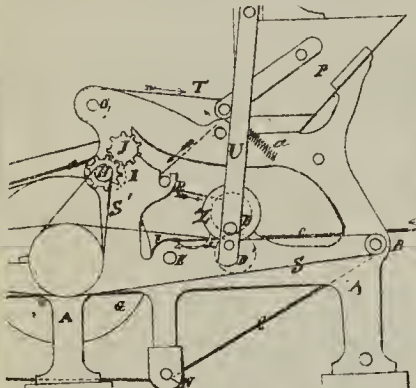
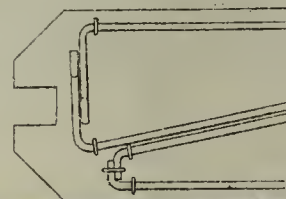
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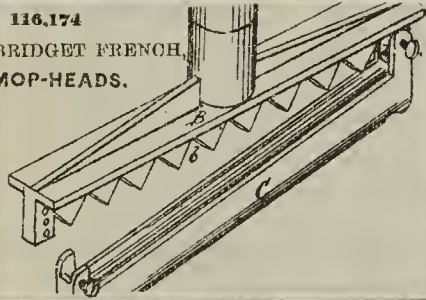
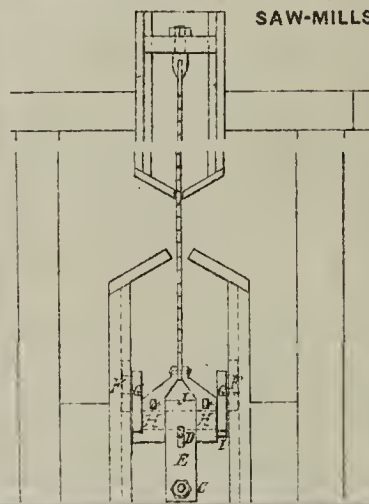
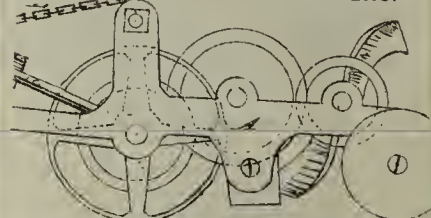
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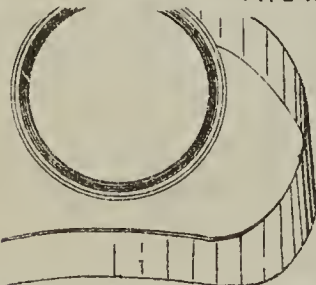
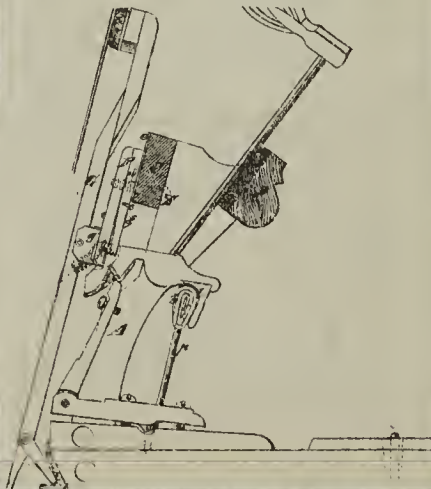
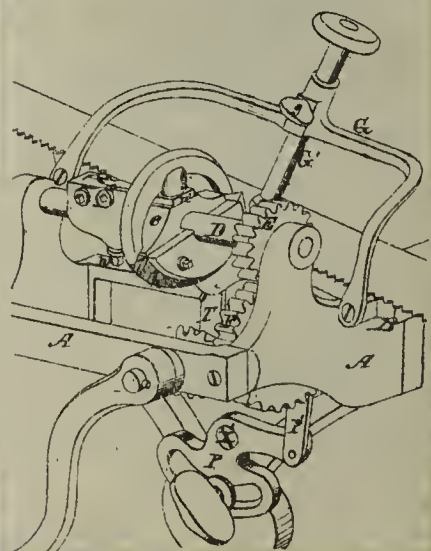
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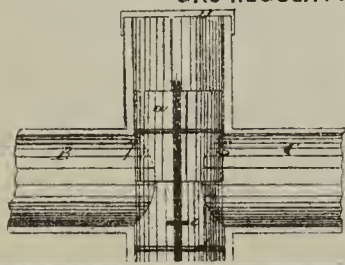
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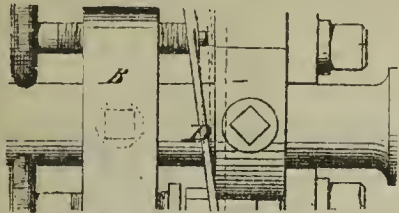
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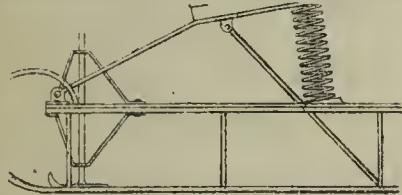
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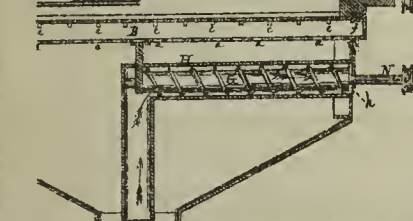
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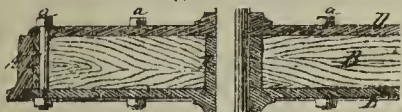
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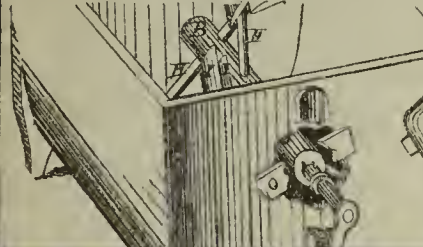
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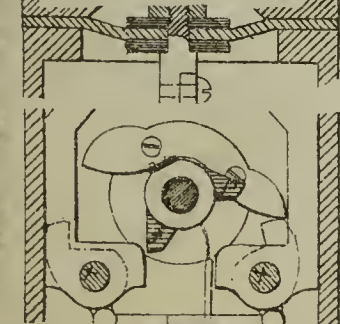
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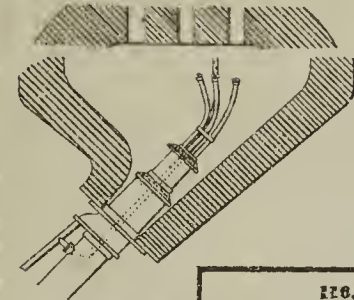


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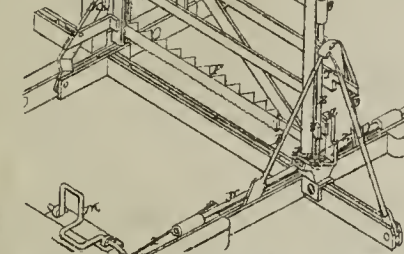


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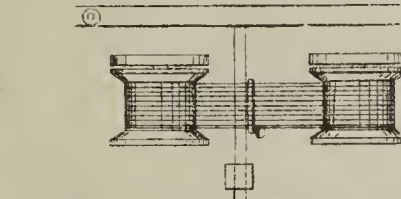
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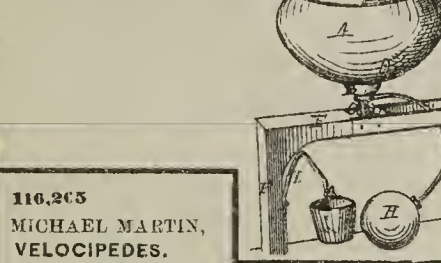
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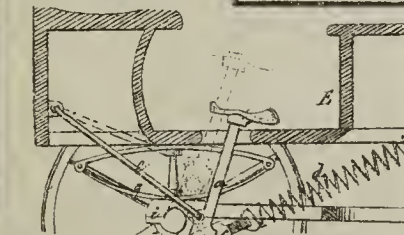
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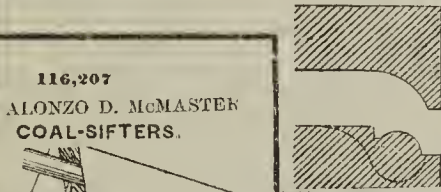
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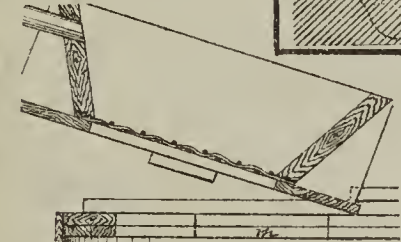
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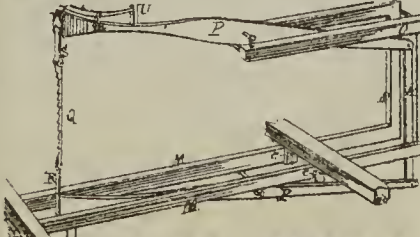
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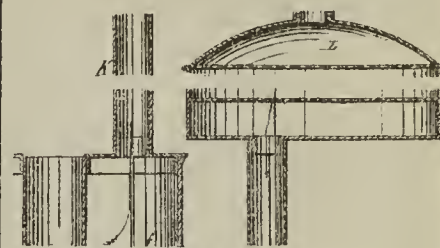
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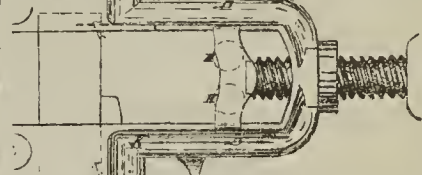


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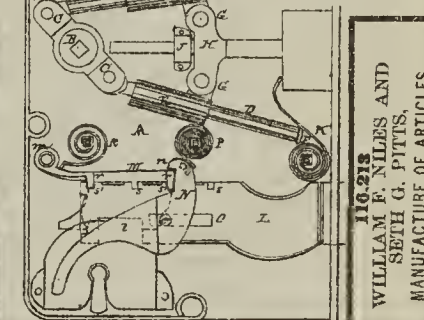
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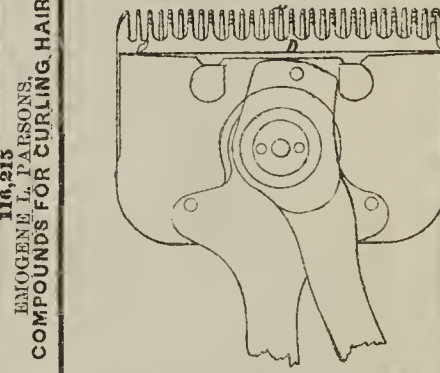


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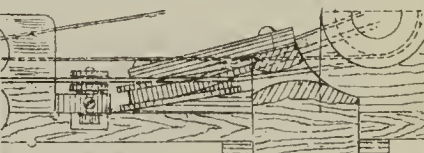
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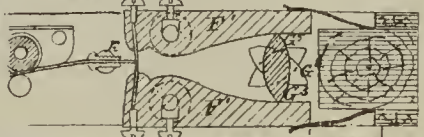
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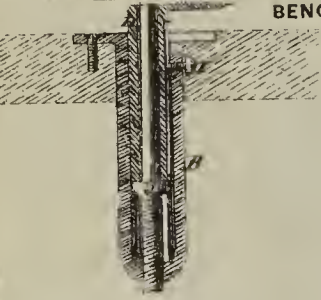
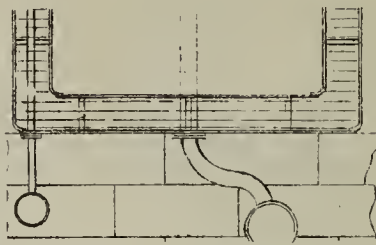
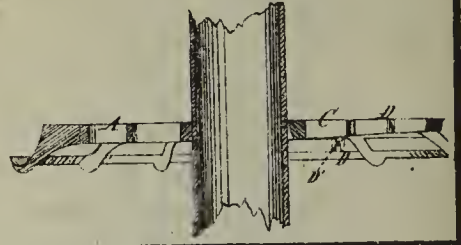
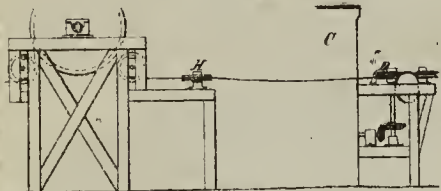
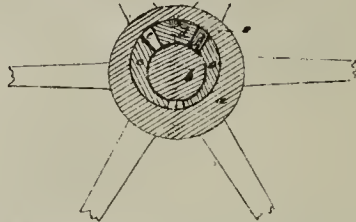
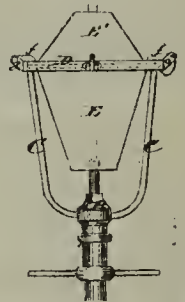
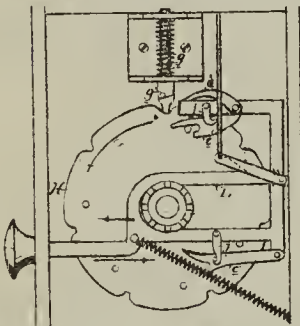
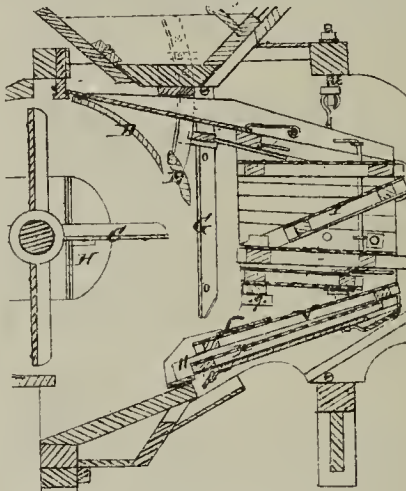
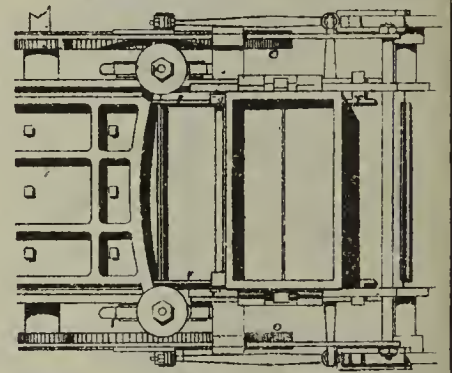
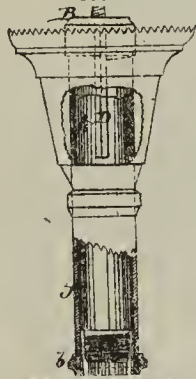
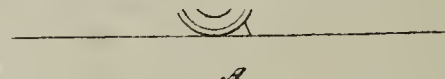
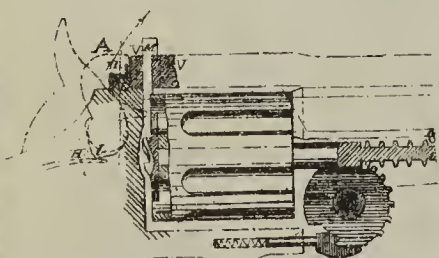
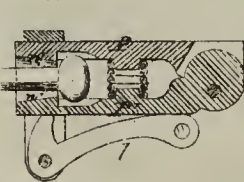
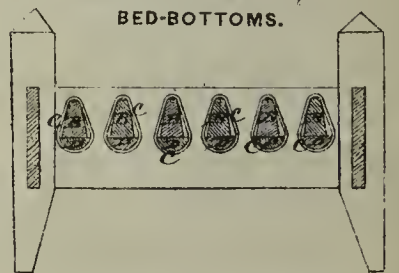
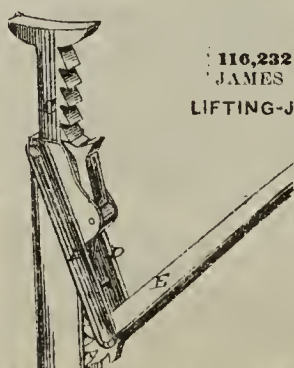
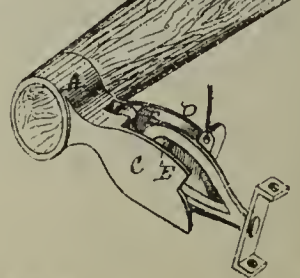


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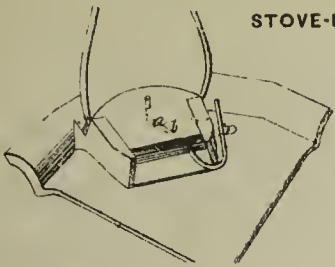
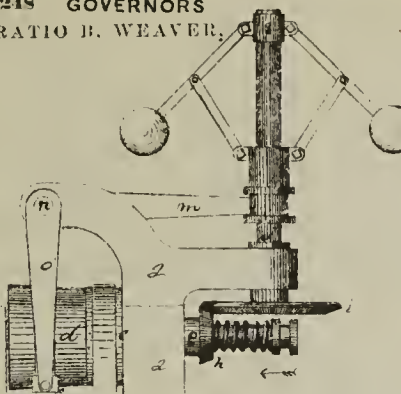
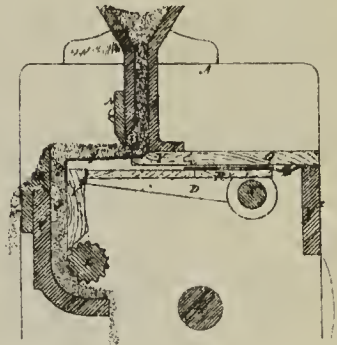
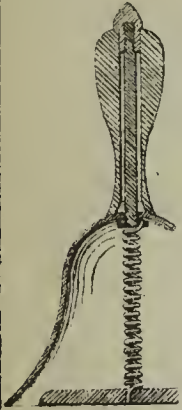
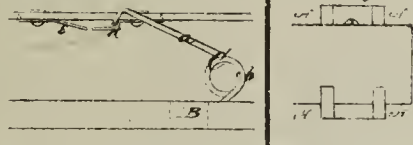
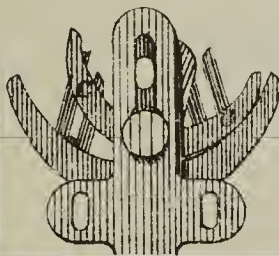
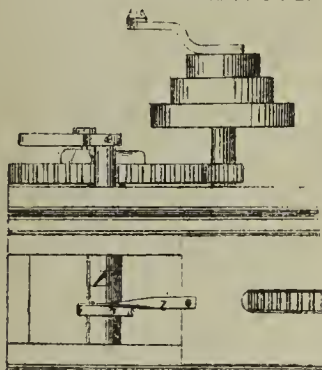
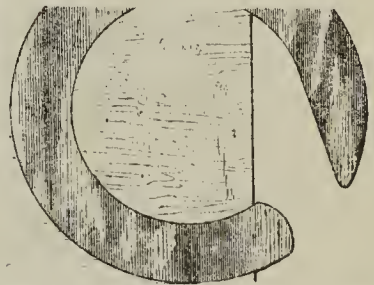
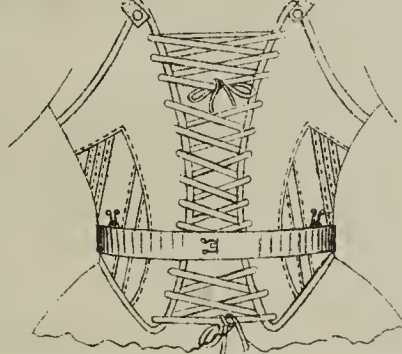
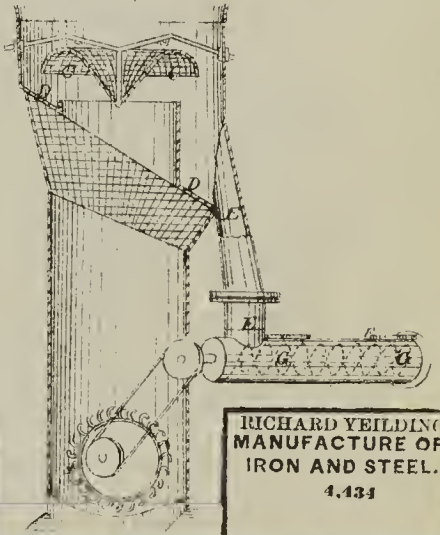
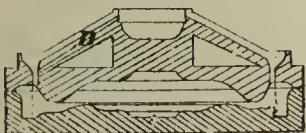
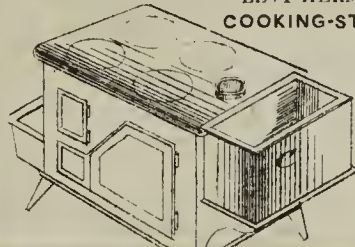
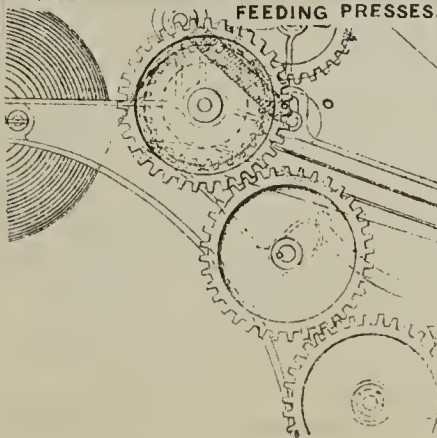
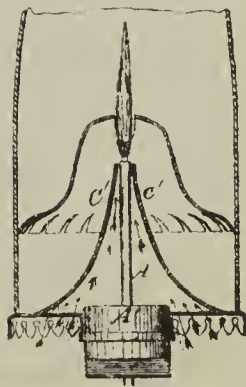


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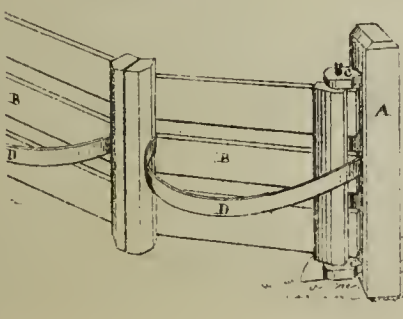


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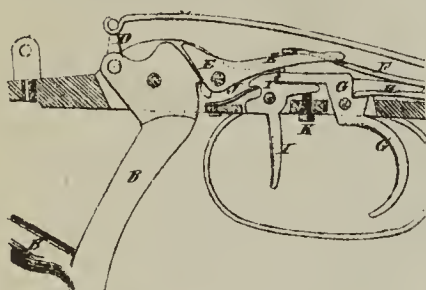
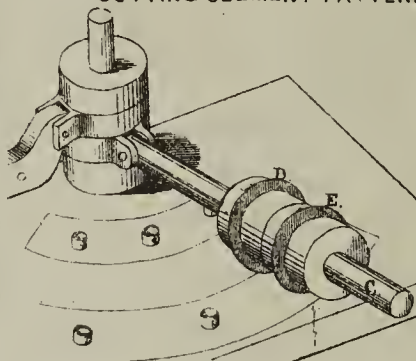
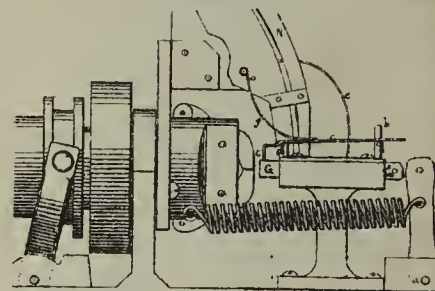
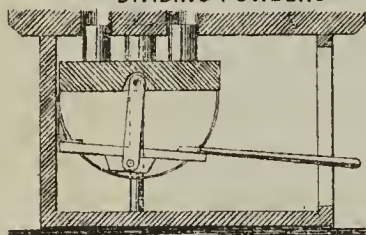
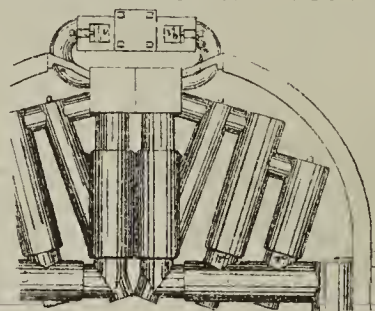
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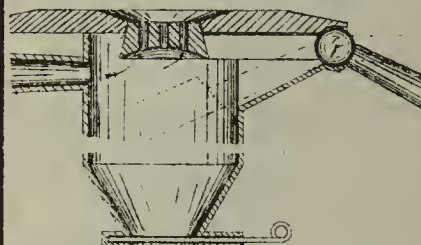
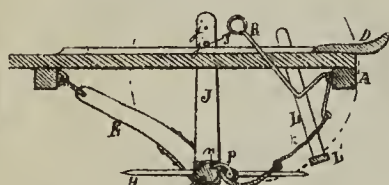
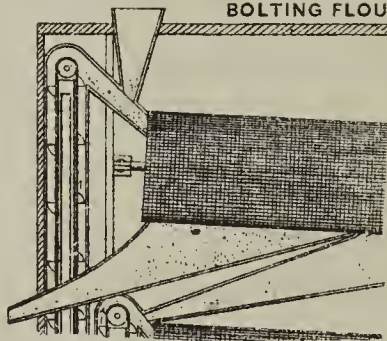


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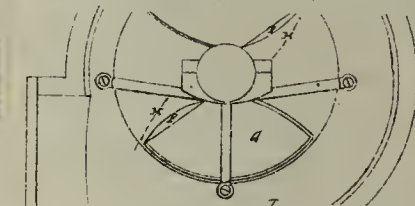
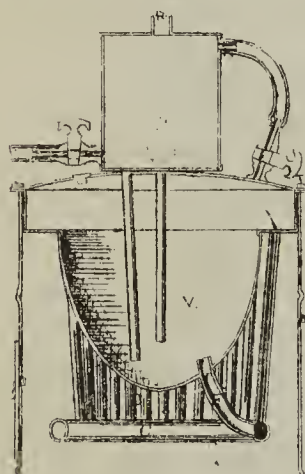
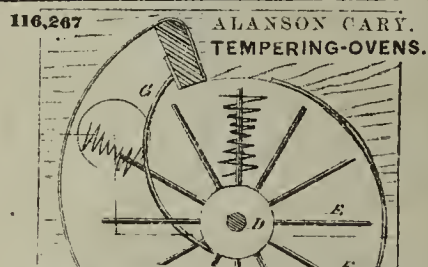
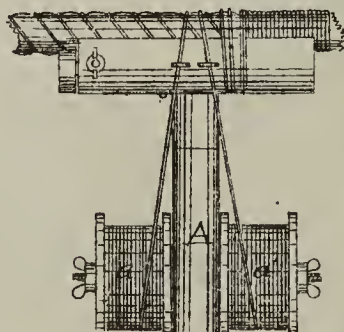
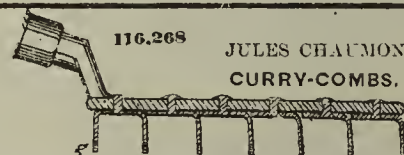
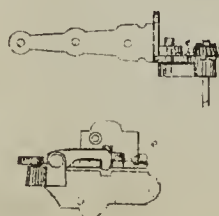
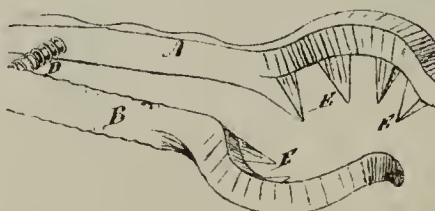
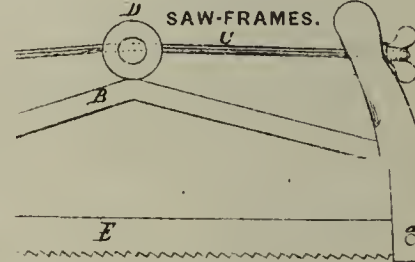
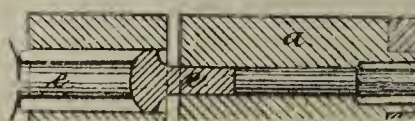
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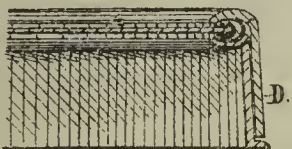
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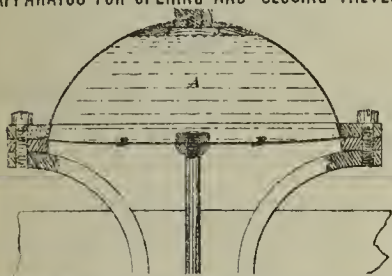
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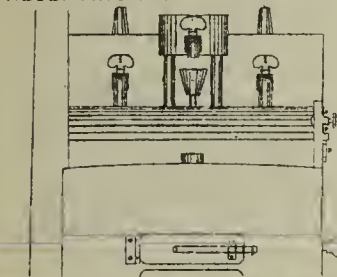
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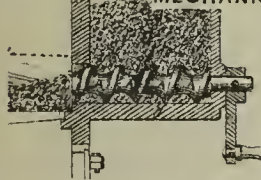
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ANDREW AINSLIE COMMON,
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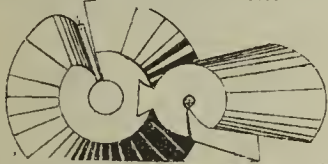
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SILAS CONSTANT,
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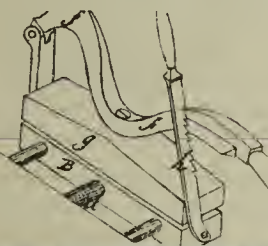
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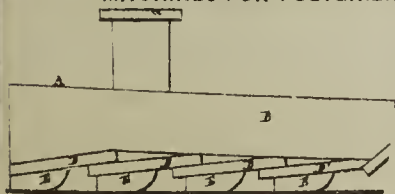
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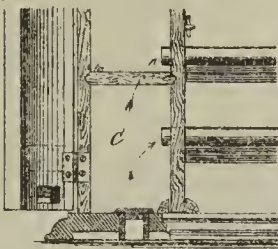
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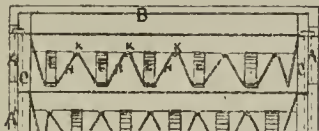
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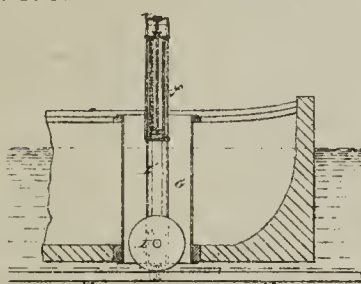
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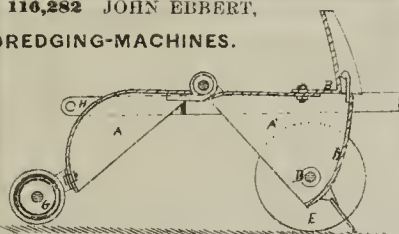
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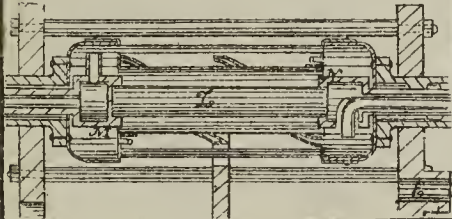
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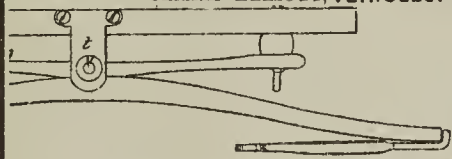
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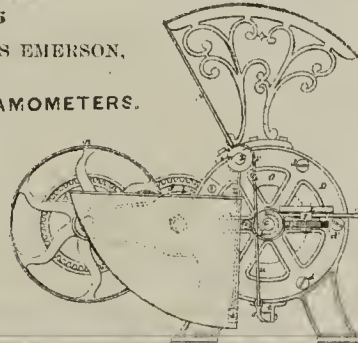
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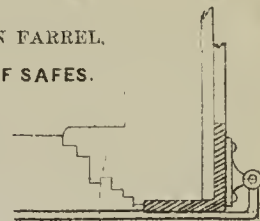
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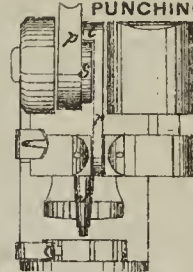
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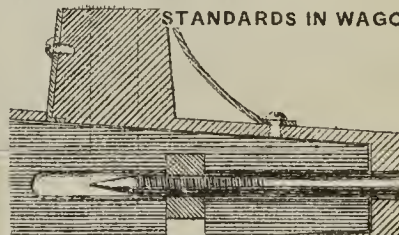
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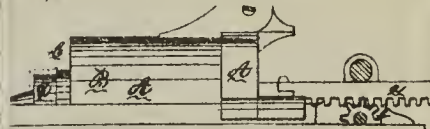
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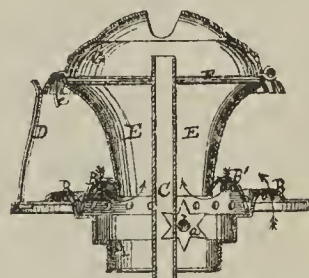
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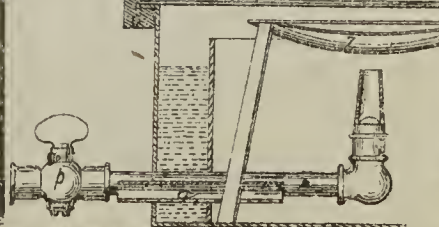
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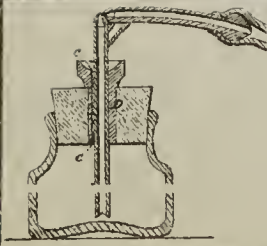
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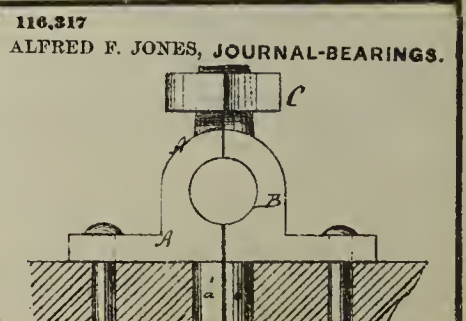
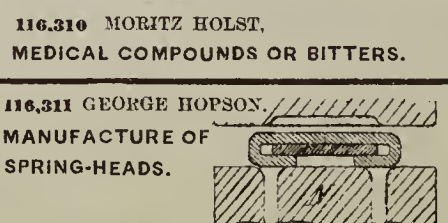
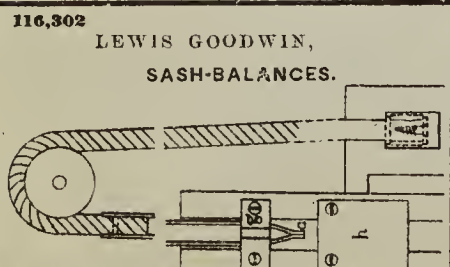
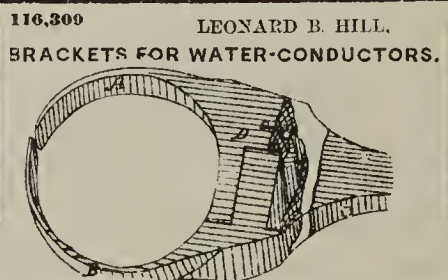
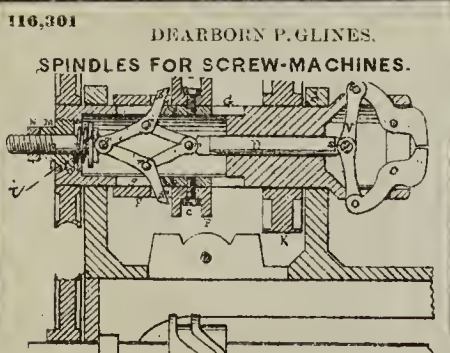
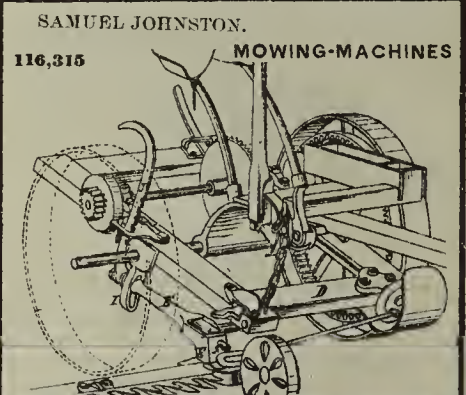
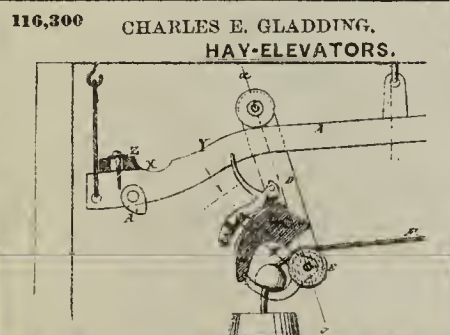
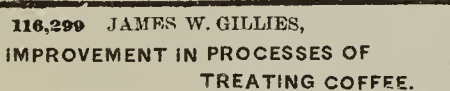
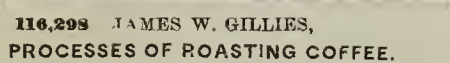
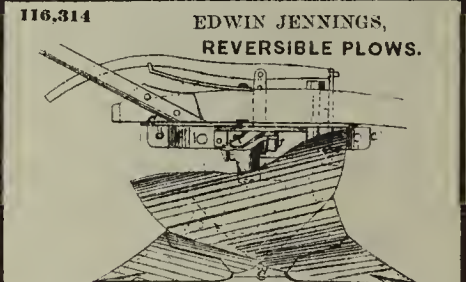
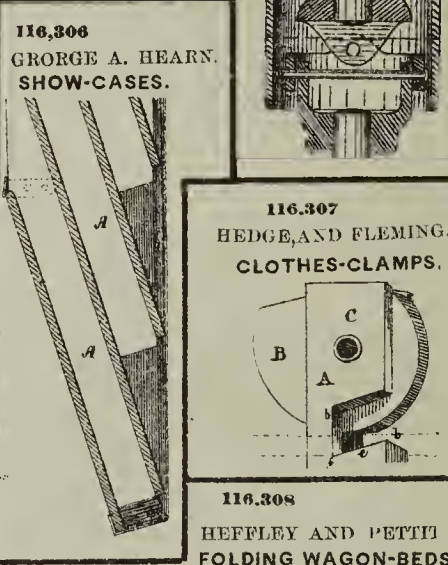
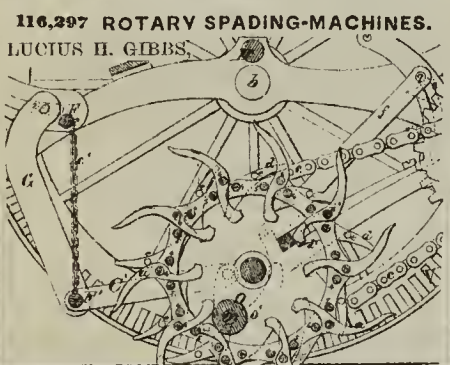
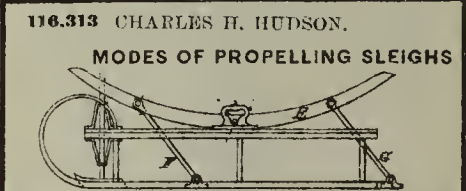
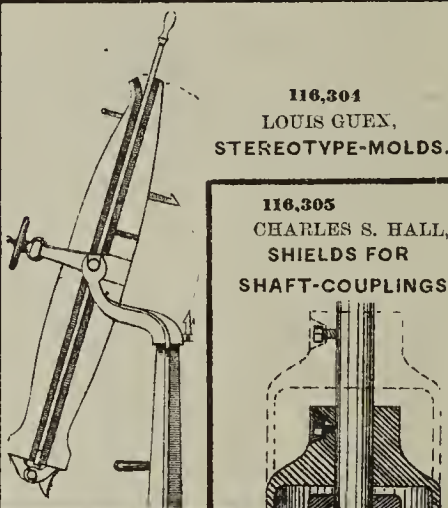
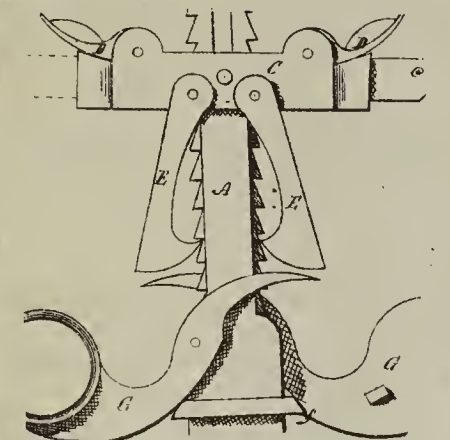
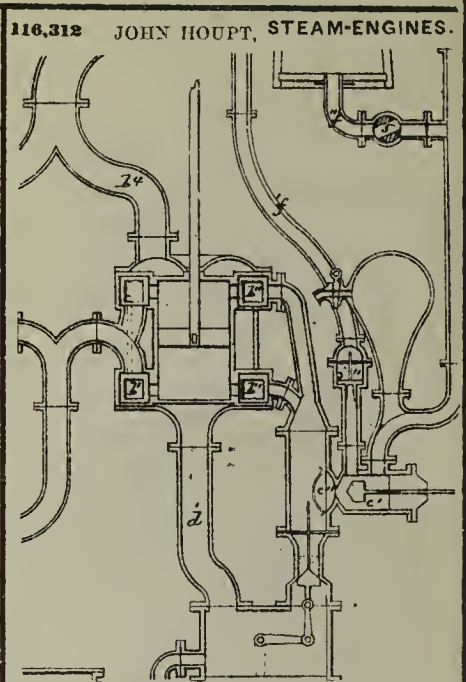
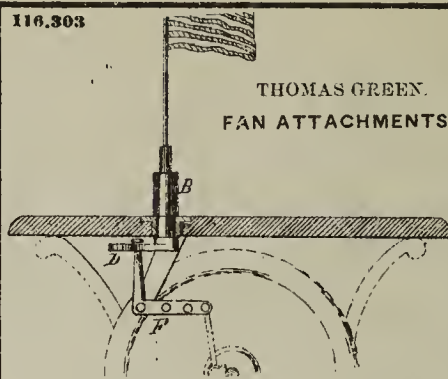
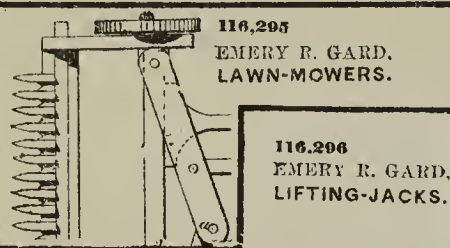
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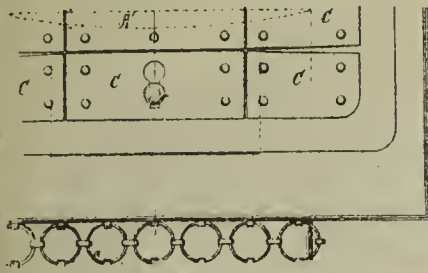
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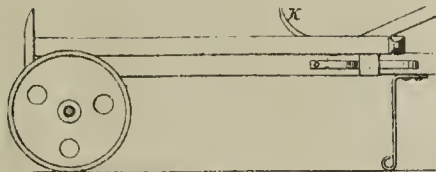
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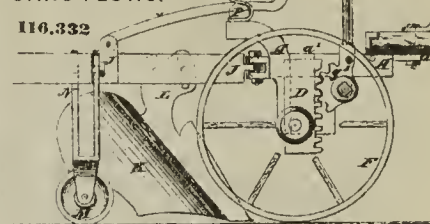
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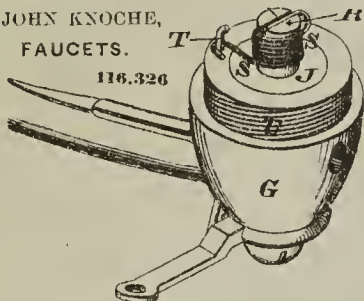


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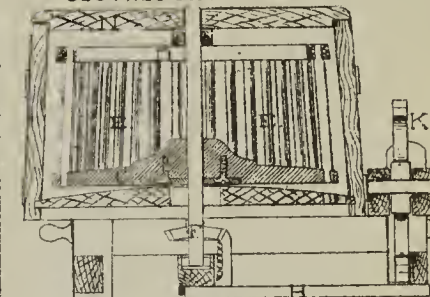


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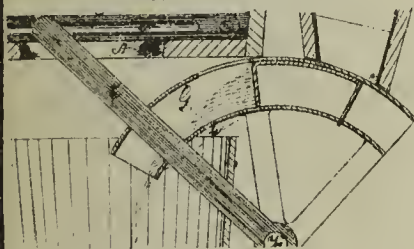
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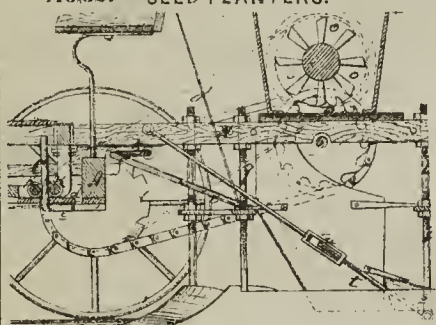
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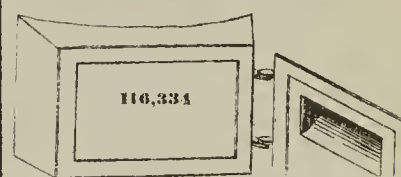
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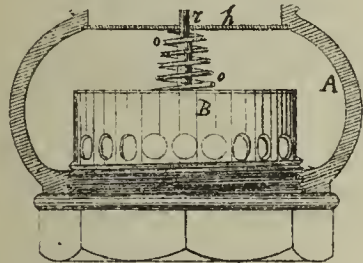
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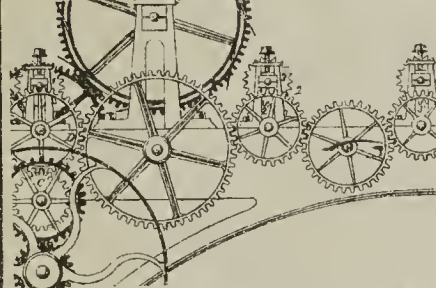


116,321 PETER KELLER,
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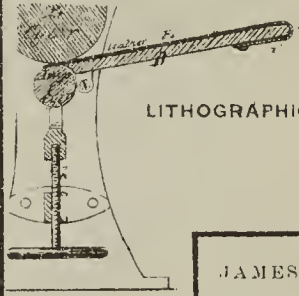
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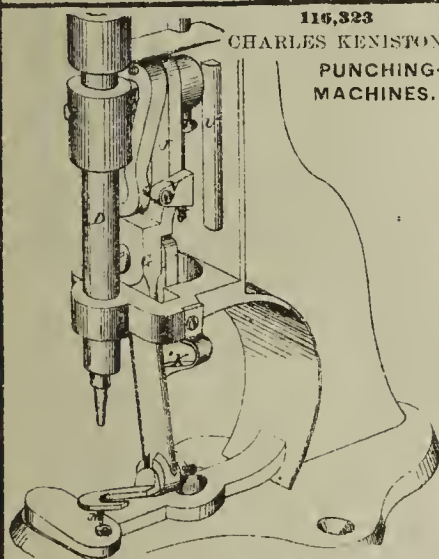
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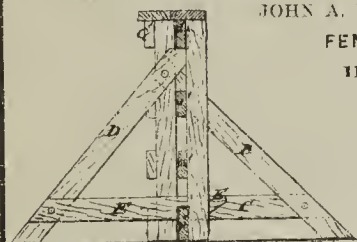


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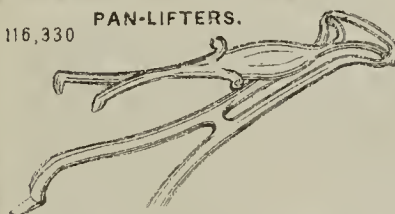
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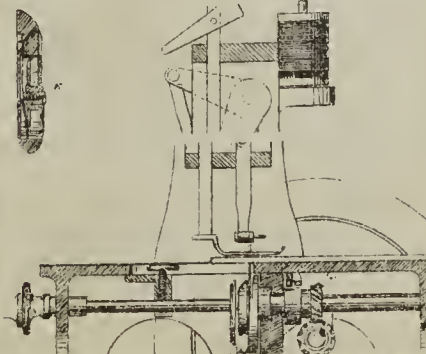


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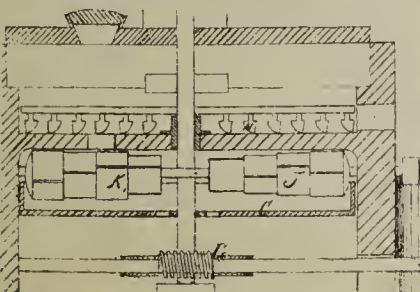
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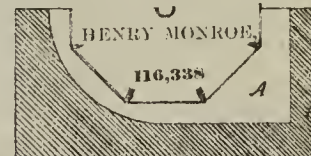
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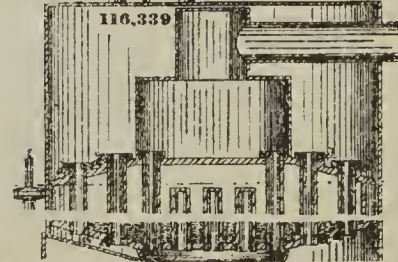


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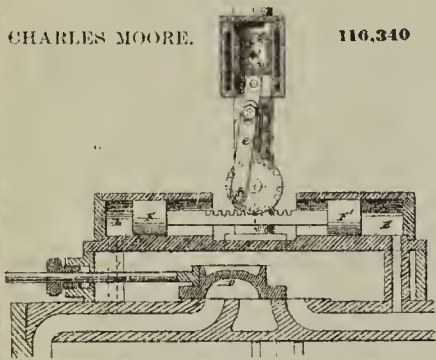
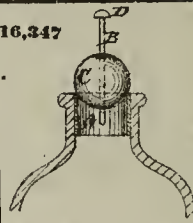
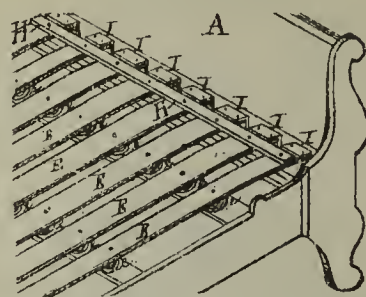
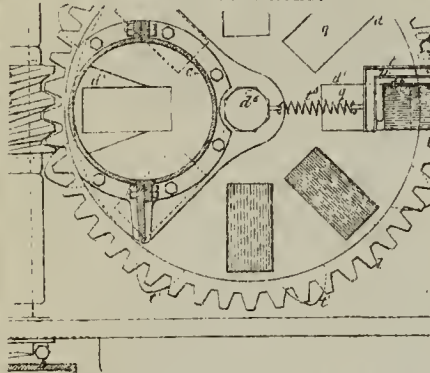
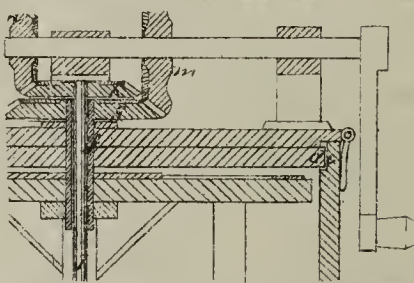
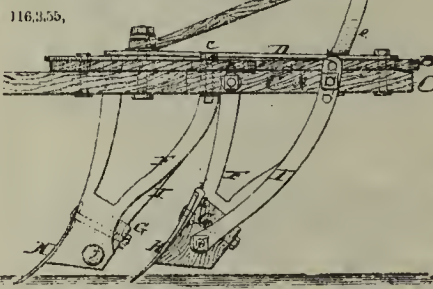
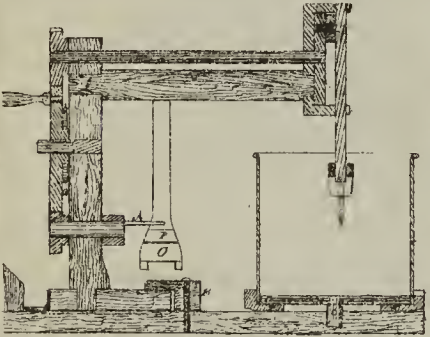
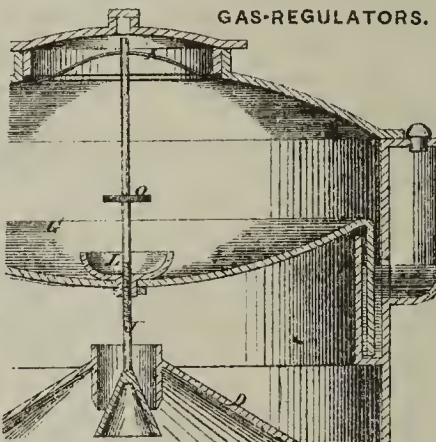
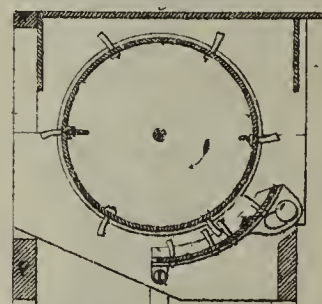
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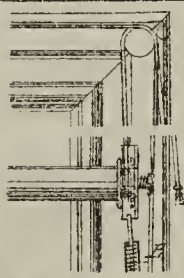
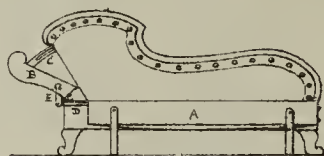
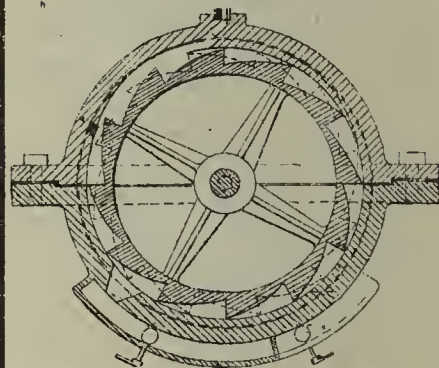
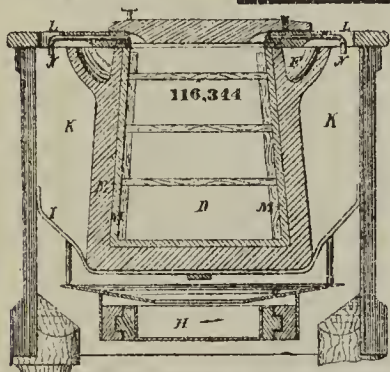
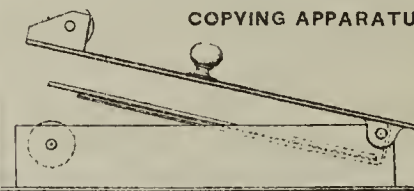
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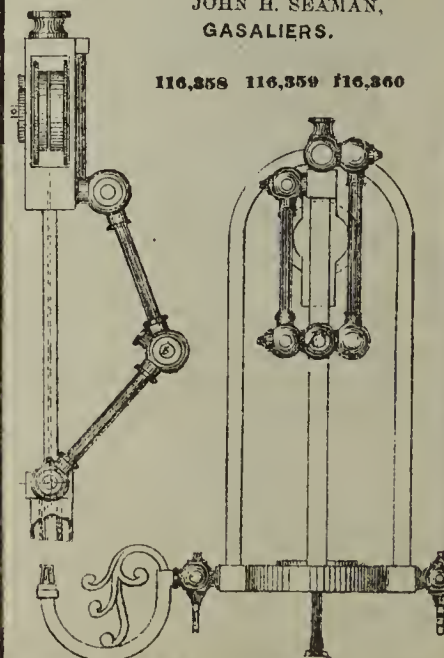
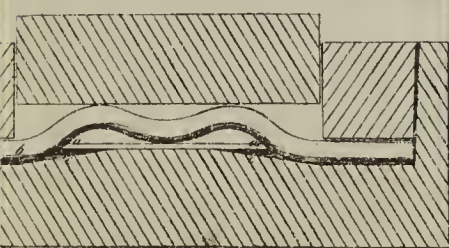
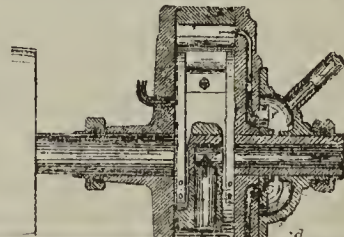
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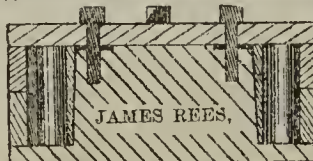
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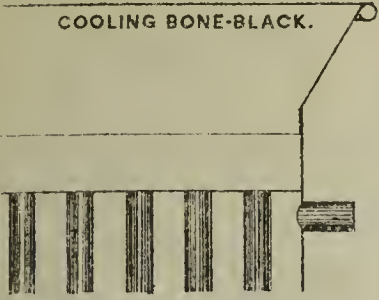
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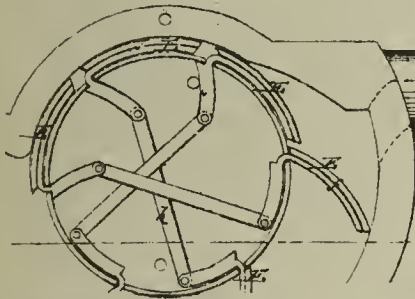


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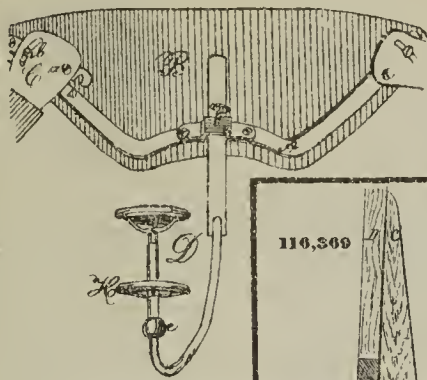
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116,362 JOEL C. SLAUGHTER,
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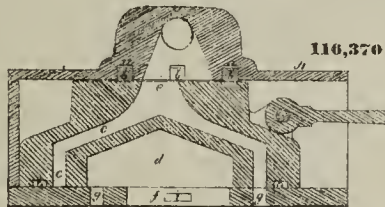


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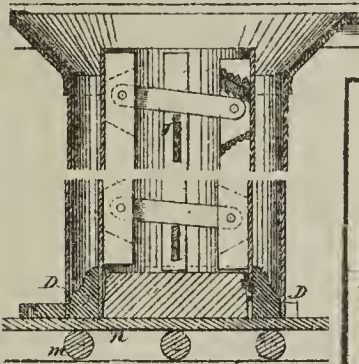


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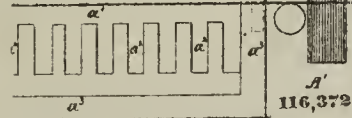
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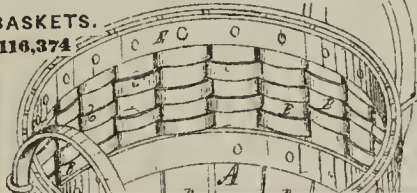
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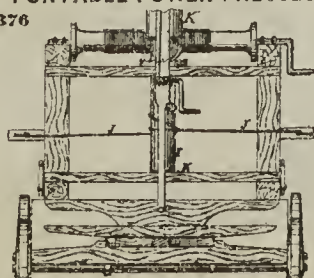
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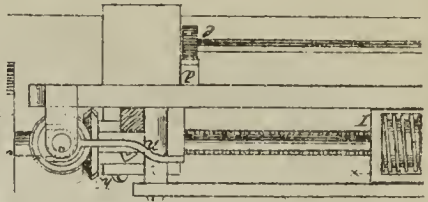


116,375 PHILOMELA T. VINING,
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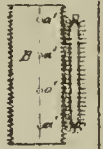
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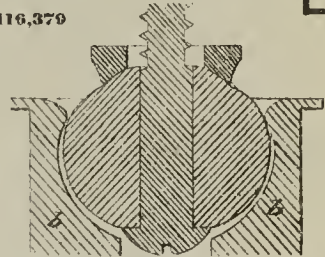
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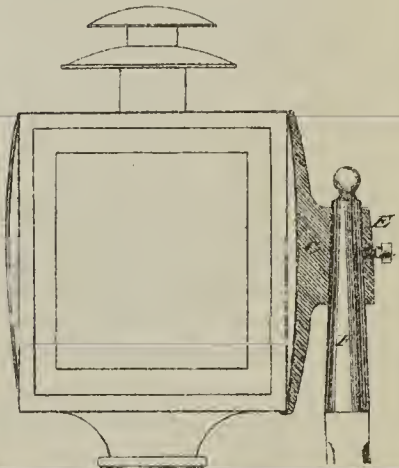
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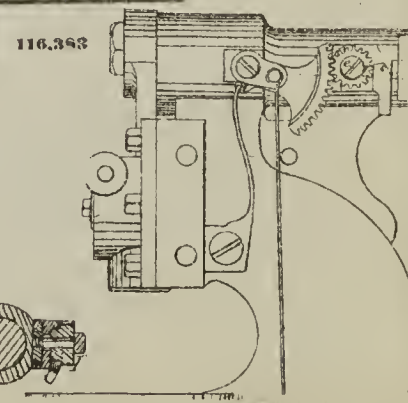
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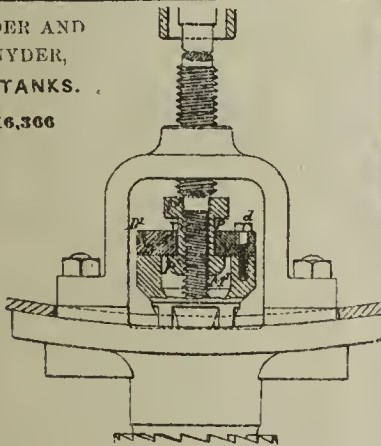
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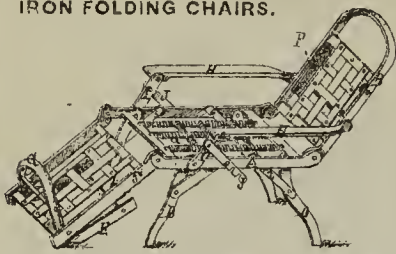
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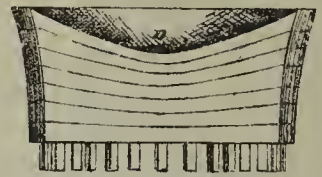


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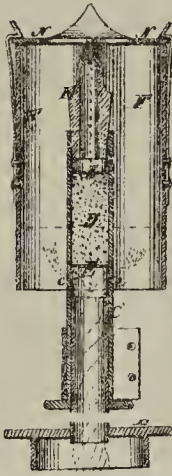


116,400 HORACE H. BIGELOW,
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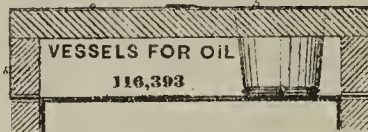
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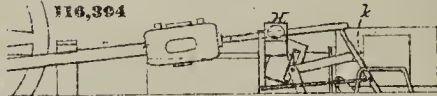
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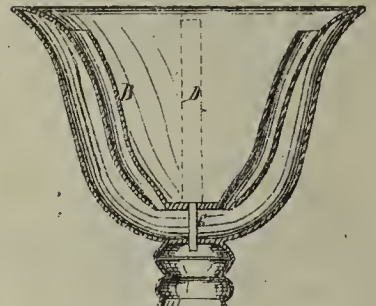


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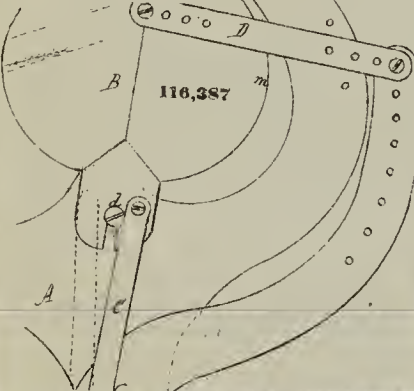
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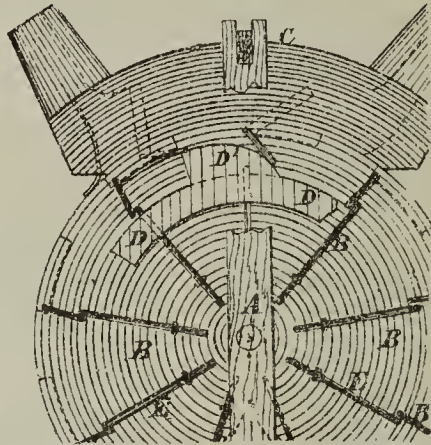
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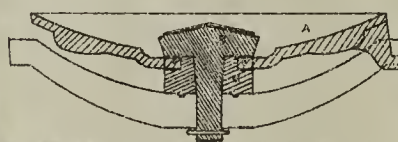
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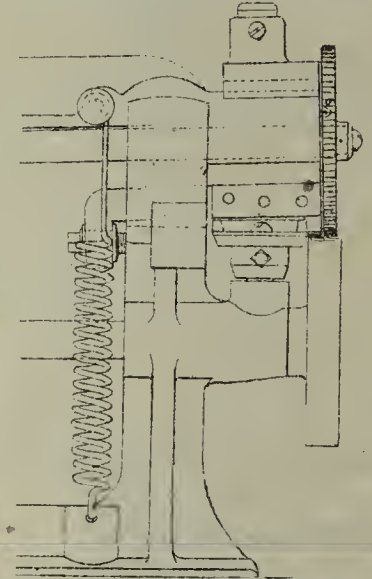
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116,396 MATTHEW R. BARR,
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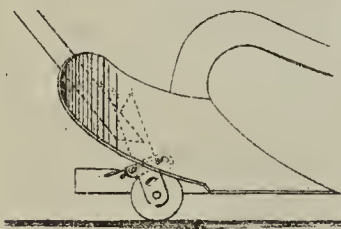


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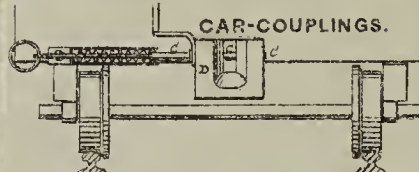


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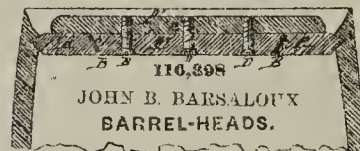


116,397 JOSEPH W. BARRETT,
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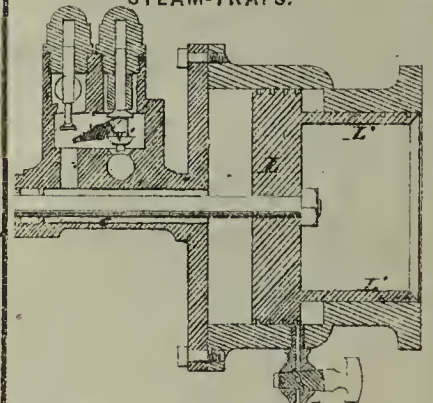


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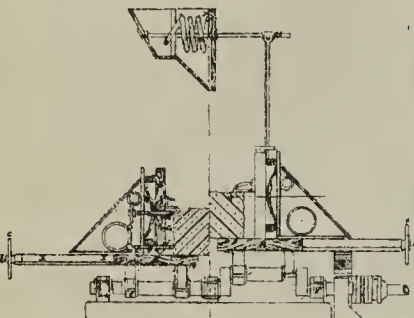
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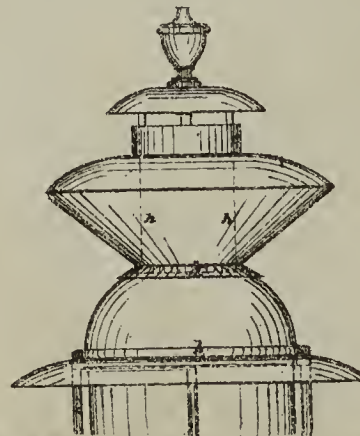
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116,390 WILLIAM ADAMS,
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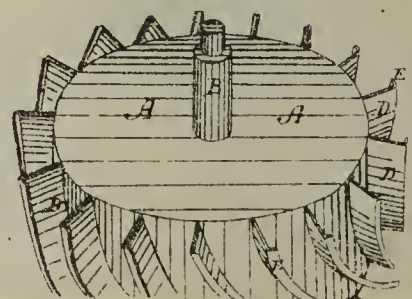
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116,404 JOHN C. BOHN SPURS.



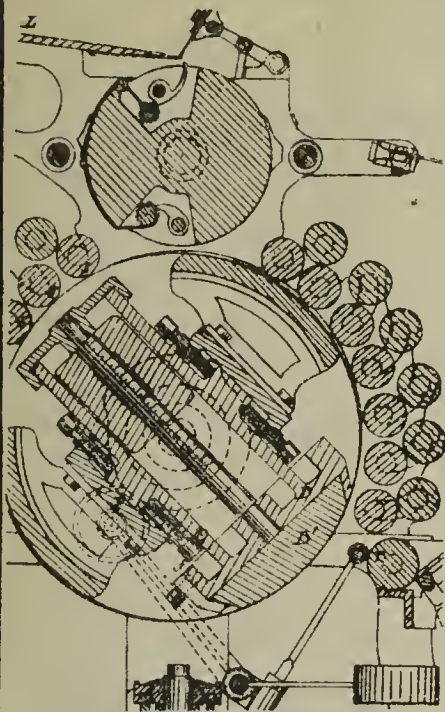
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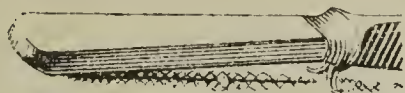
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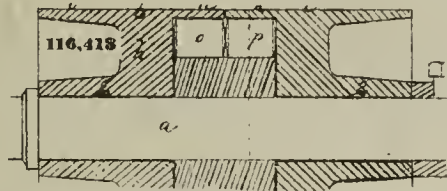
116,406 EDWARD S. BOYNTON,
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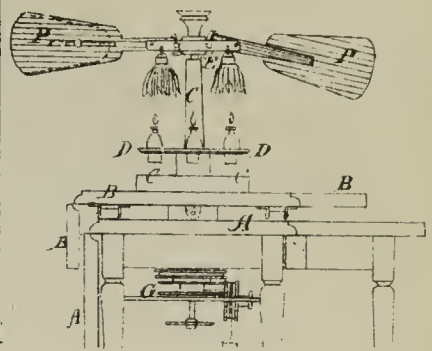
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TABLE-KNIVES AND FORKS.



FRICTION-PAWL WALTER R. CLOSE,

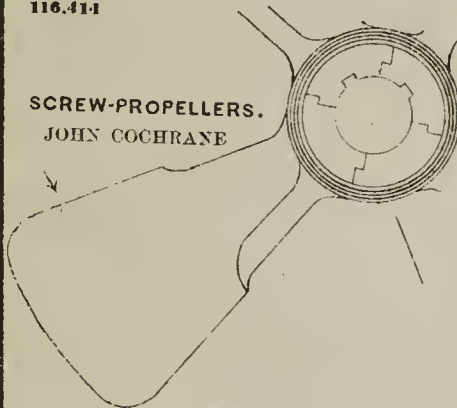


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DINING-TABLES.

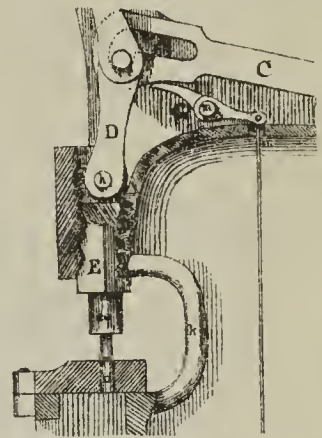


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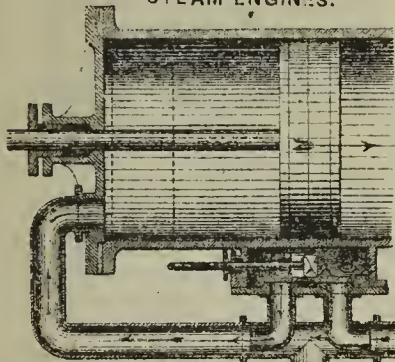
SCREW-PROPELLERS.
JOHN COCHRANE



116,420 JAMES DUFF,
PUNCHING-MACHINES.

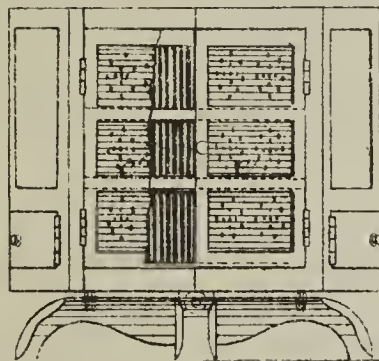


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STEAM-ENGINES.

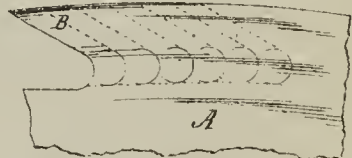


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THOMAS COLTRANE, KITCHEN-SAFES.



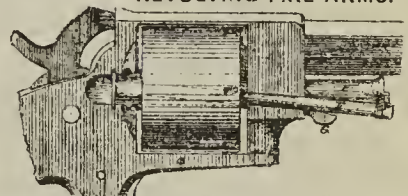
116,421 JAMES E. EMERSON, SAWS.



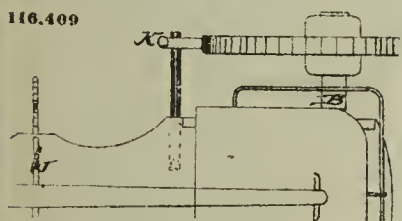
116,408 BASHLEY BRITTEN, ORDNANCE.



116,422 FOREHAND AND WADSWORTH,
REVOLVING FIRE-ARMS.



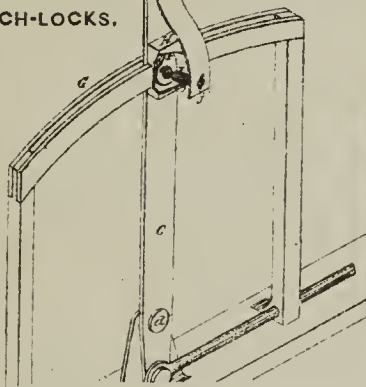
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ALONZO W. GRAM.

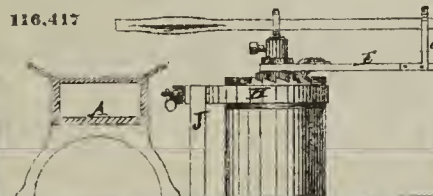
SWITCH-LOCKS.

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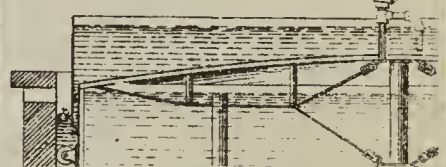


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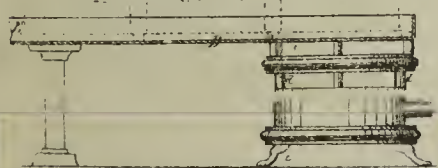
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116,423 THEOBALD FORSTALL,
STORING AND DISCHARGING NAPHTHA, &C.



116,410 ANDREW J. BURKE,
SOLDERING APPARATUS.

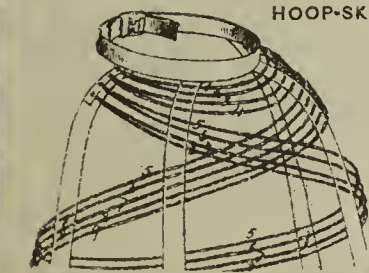


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THREAD-CUTTING DEVICES

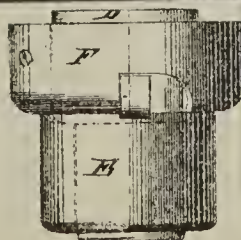


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HOOP-SKIRTS.

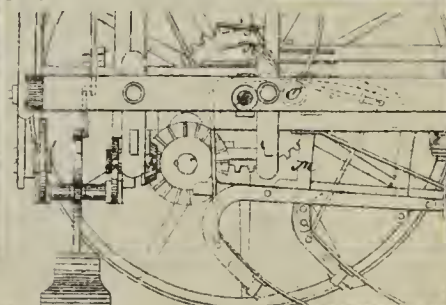


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JOHN K. DERBY,
REAMERS.



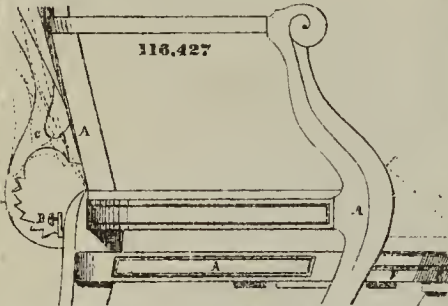
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WILLIAM C. GAINES,
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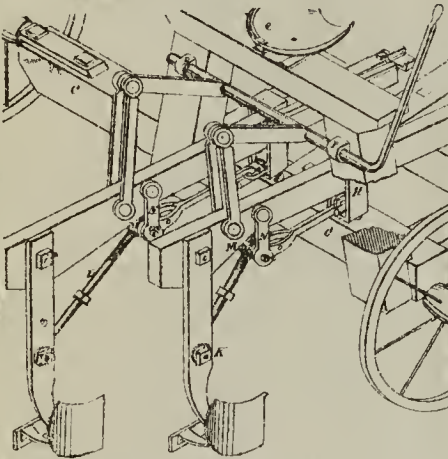
116,426 ROBERT GASS,
COOKING-STOVES.



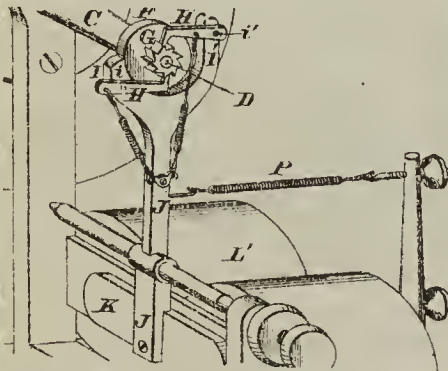
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DENTISTS' AND BARBERS' CHAIRS.



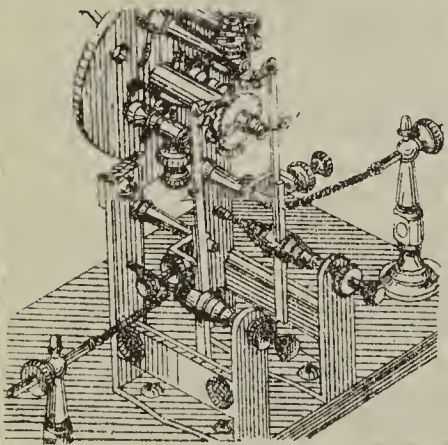
GILLHAM, TAYLOR, AND STOLLE,
116,429 GANG-PLOWS.



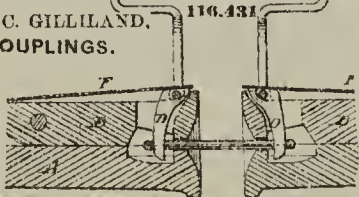
116,429 EZRA T. GILLILAND,
DIAL-TELEGRAPH APPARATUS.



116,430 EZRA T. GILLILAND,
DIAL-TELEGRAPH INSTRUMENTS.



HENRY C. GILLILAND,
CAR-COUPPLINGS.



RUSSELL S. GLADWIN,
116,432 SCISSORS.



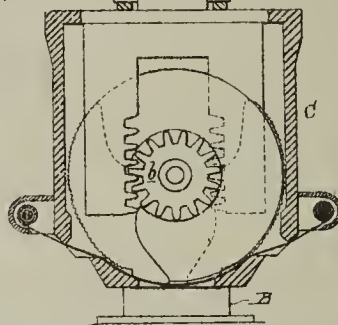
CLAUDE GLOVER,
BOTTLE-STOPPERS.

116.433

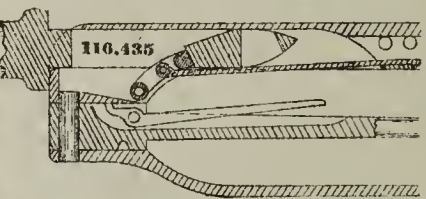


JOHN GOLDSBOROUGH,
STAMP-CANCELERS.

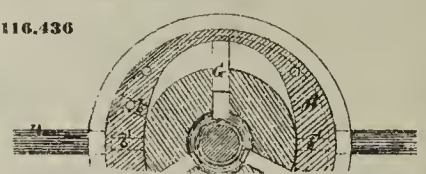
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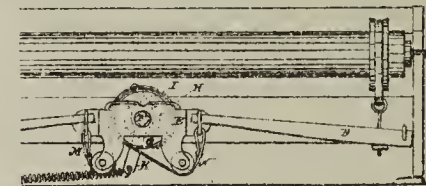
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WILLIAM A. GRAHAM, ROTARY ENGINES.

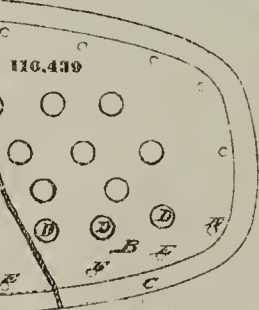


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LET-OFF MOTIONS OF LOOMS.



GREENAWAY AND NEEDHAM,
FIRE-PLACE GRATES. 116,438

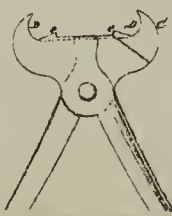
JOHN S. HANCOCK,
BOOT AND SHOE TAPS.



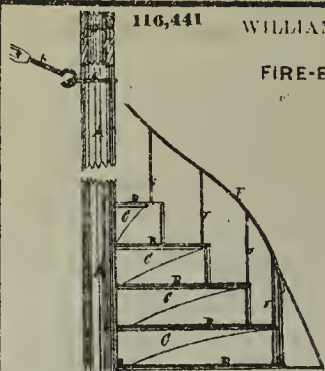
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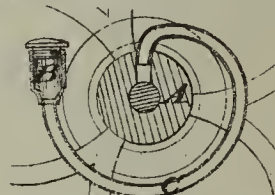
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INSTRUMENTS FOR RINGING HOGS.
116,440



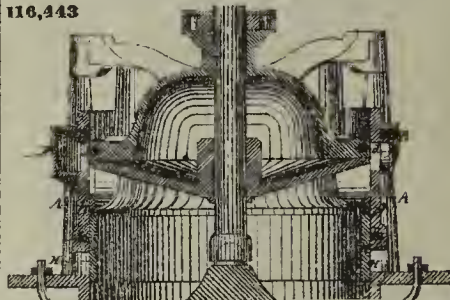
116,441 WILLIAM HENLEY,
FIRE-ESCAPES.



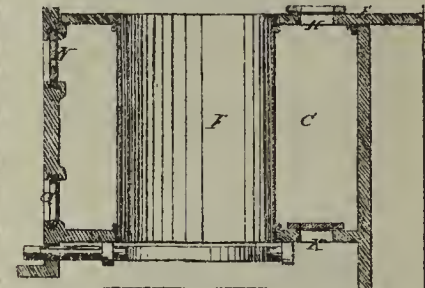
116,442 JOHN HODGE, LUBRICATORS.



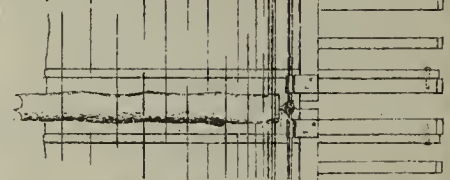
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116,443



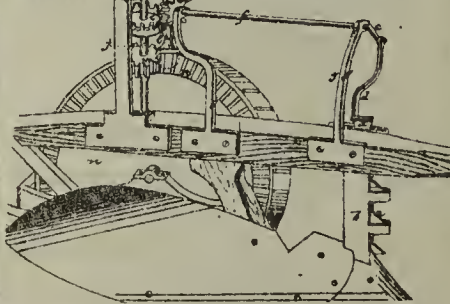
HOLMES AND PRIEST, 116,444
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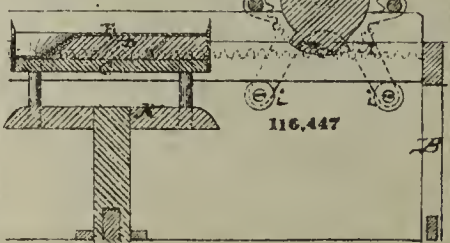
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JOHN T. HOVIS, PLOW ATTACHMENTS
116,446

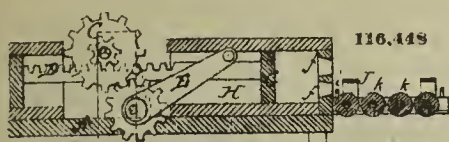
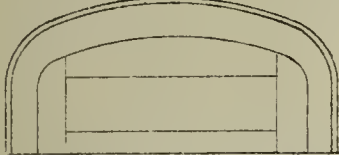
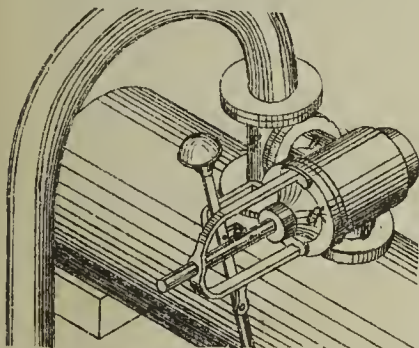
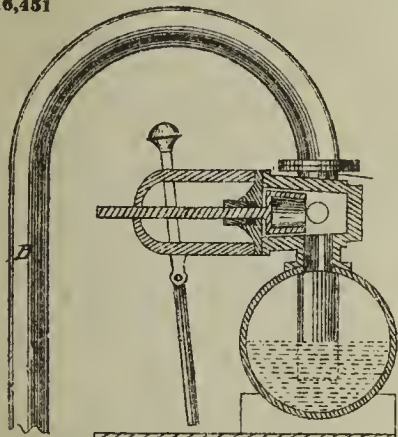


JOHN B. HUGHES,
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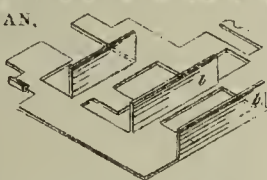
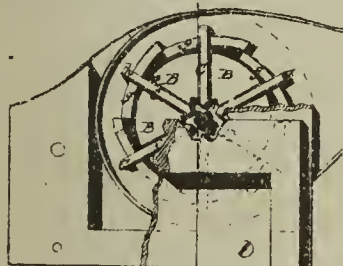


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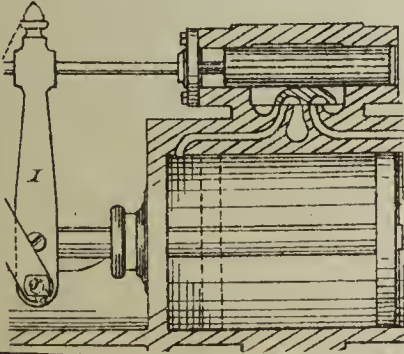
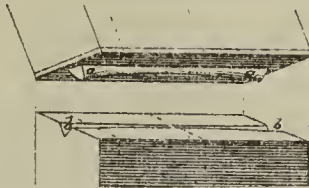
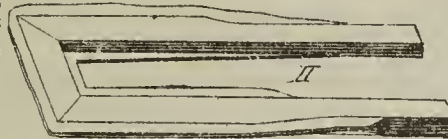
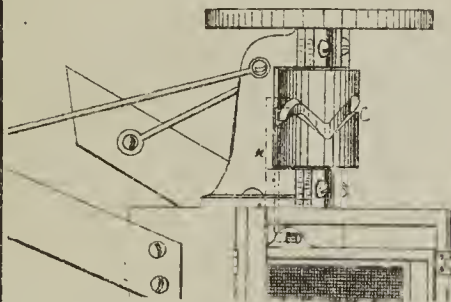
JOHN B. HUGHES, TILE-MACHINES.

116,449 BENJAMIN HURLBURT,
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MANUFACTURE OF ILLUMINATING GAS.JEROME KIDDER, GALVANIC BATTERIES.
116,451JOHN H. KINSMAN,
DOOR-LOCKS.

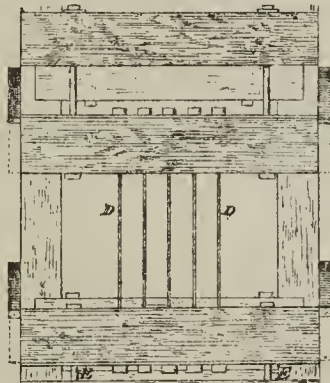
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116,453 GEORGE S. KNAPP,
JOINING TUBULAR LIGHTNING-RODS.

116,454 LUCIUS J. KNOWLES, PUMPS.

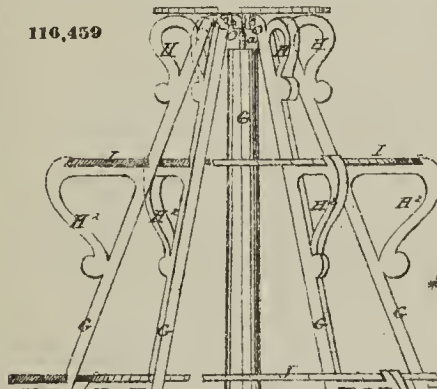
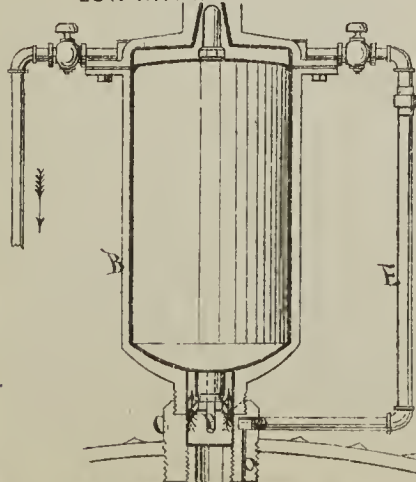
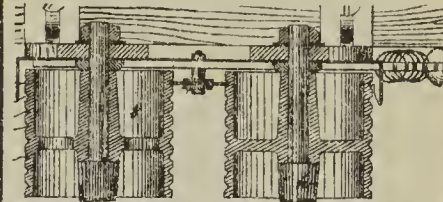
116,455 WILSON W. KNOWLES,
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116,458 FRANCIS LAYAUX, SAW-MILLS.

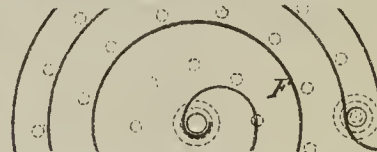
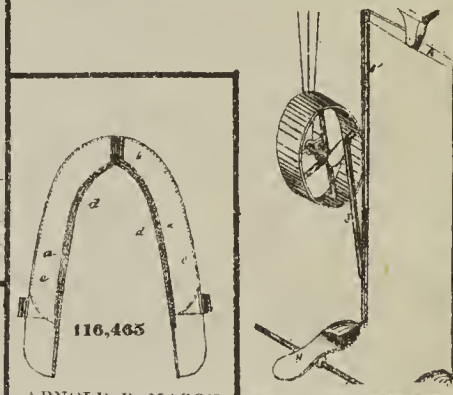


CHARLES T. LEE, FLOWER-STANDS.

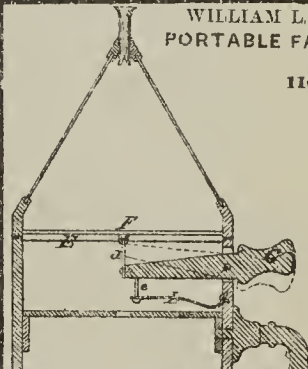
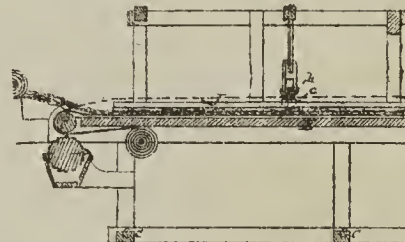
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116,460 LEWIS L. LEE,
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COMPOUNDS FOR DYEING HAIR.

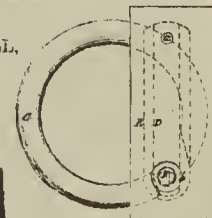
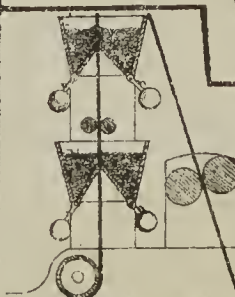
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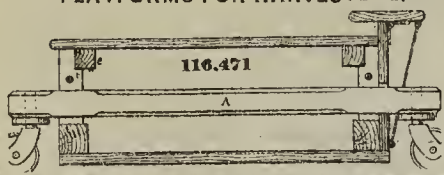
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SEWING-MACHINE TREADLES.ARNOLD P. MASON,
COLLAR-CAPS FOR HARNESSWILLIAM L. MAY,
PORTABLE FARE-BOXES.

116,466

116,467 JOHN C. MAYALL,
FOLDING CARPET-LININGS.

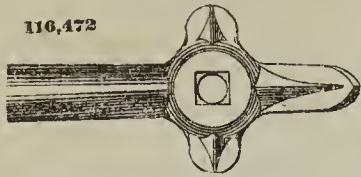
116,468 SUSPENDED.

116,469 WILLIAM C. MCGILL,
HASP-LOCKS.116,470 JEROME B. MELVIN,
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FELT.

CURTIS MILLER,
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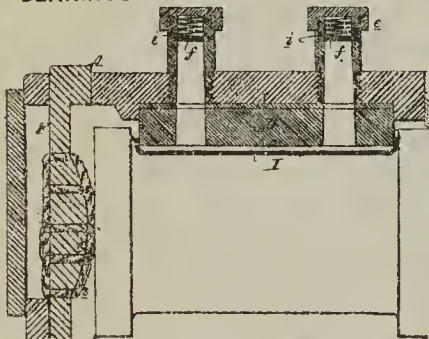
ROBERT R. MILLER, BODY-LOOPS.

116,472

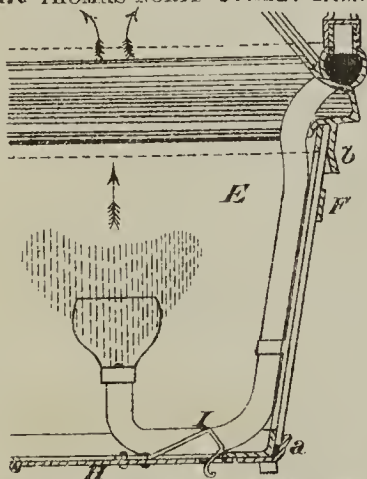
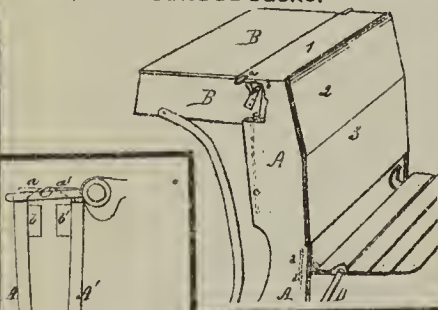


GEORGE W. MOORE, PLIERS.

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LOUIS L. MOORE AND R. B. S. WHAYRE,
116,474 COMPOSITIONS116,475 ELIZA DEXTER MURFEY,
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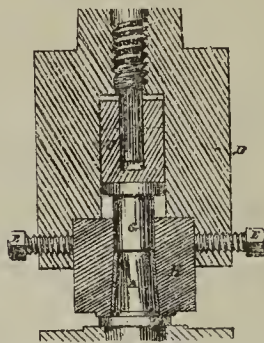
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OSBORNE AND HAMMON,
116,477 SCHOOL-DESKS.

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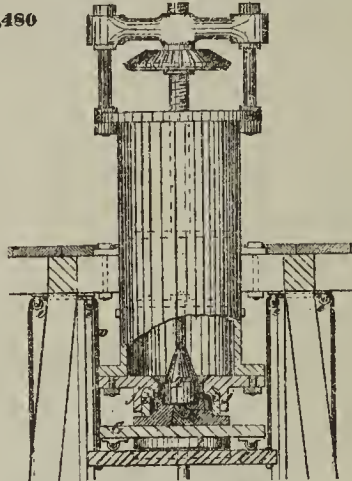
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ABNER W. OWEN AND MICHAEL E. LILLEY,

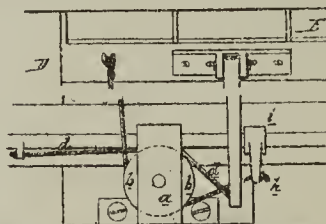
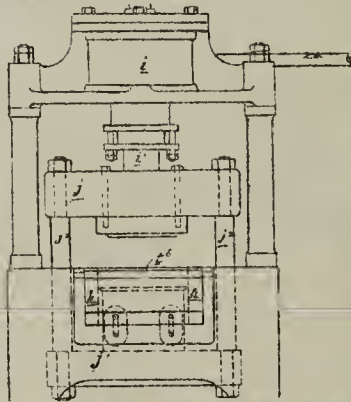
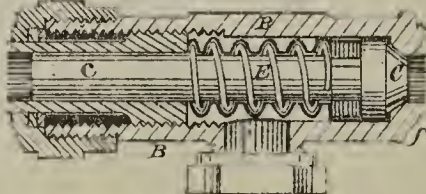
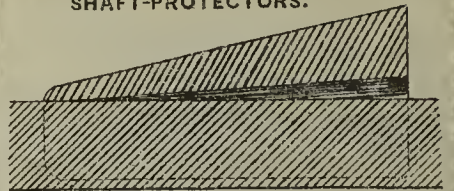
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TAPERING FERRULES.

ZENO F. PARUS, TILE-MACHINES.

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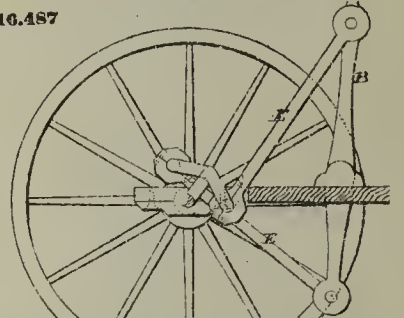
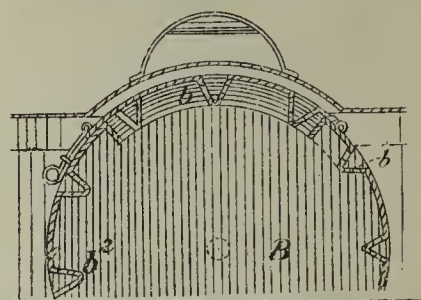
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INITIAL COILS OF COPS IN SPINNING-MACHINES.

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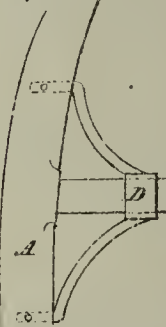
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116,484 BRICK-MACHINES.116,485 JOHN PORTEOUS,
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EDMUND QUINN, CRANK-MOTIONS.

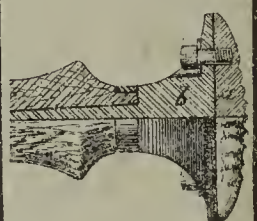
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HORACE LARDEN RICHARDSON,
116,488 WASHING-MACHINES.MADDEN AND
ROBERTS,
BUCK-SAW
FRAMES.

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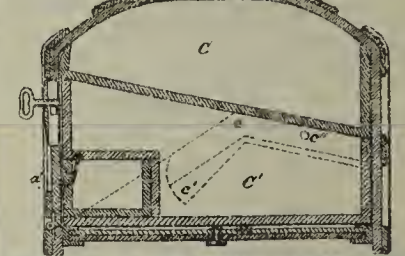
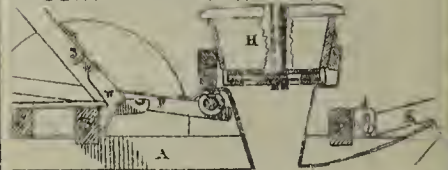
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COMPOSITION FUEL

116,491

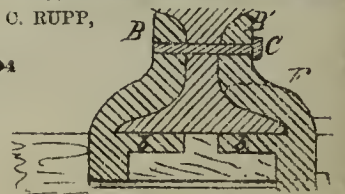
JOHN G. ROSS,
HAND-BURNISHERS

EDWARD A. G. ROULSTONE, TRUNKS.

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116,493 ANDREW RUNSTETLER,
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JOHN C. RUPP,

116,494

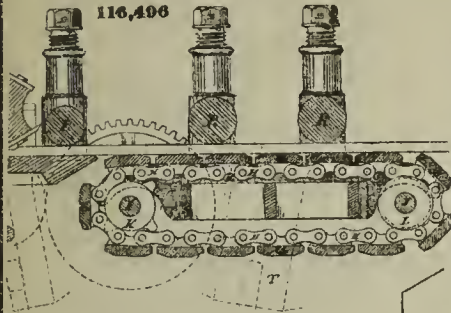


JAMES J. RUSS. 116,495
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JAMES J. RUSS. PLANING-MACHINES.

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116,497 ALFRED RUZE,
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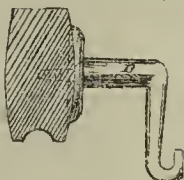


116,498 ALFRED RUZE, WOVEN CLOTH.



RYCROFT AND WHITE.
SHUTTLE-GUARDS FOR LOOMS.

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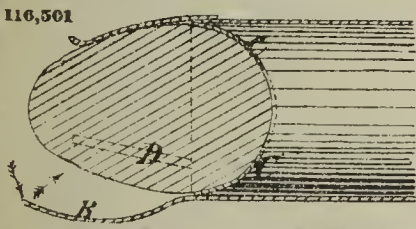


AUGUST SAHLSTROM,
116,500 COMB-CLEANERS.



SAHLSTROM AND ROHDIN
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116,501

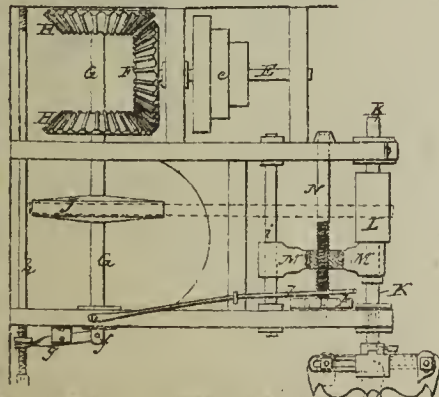


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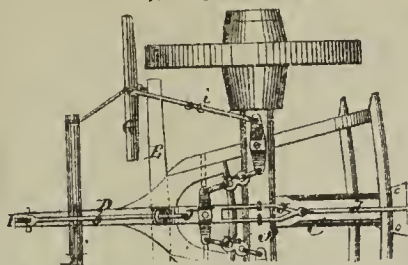


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MOLDING-MACHINES.

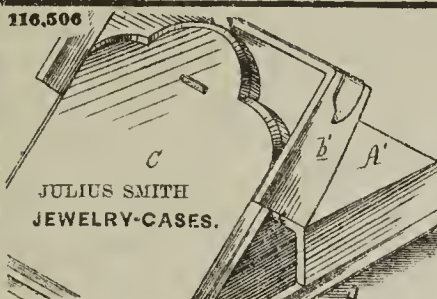


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116,504 ADOLPH SCHREIBER,
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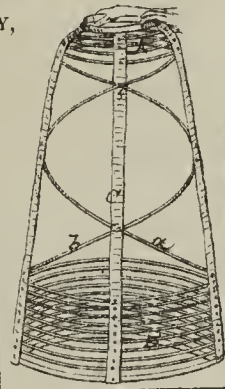
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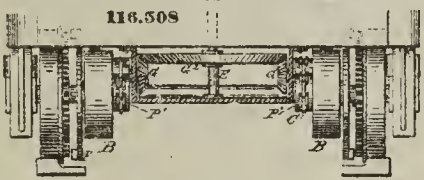
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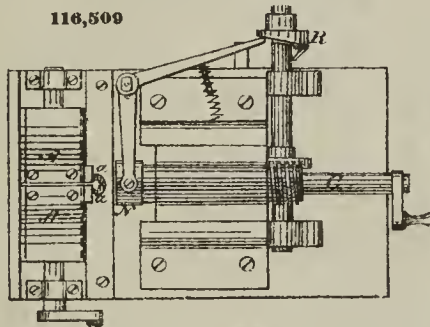
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JAMES SWAN,
FORMING LIPS OF AUGER-BITS.

116,509



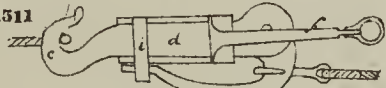
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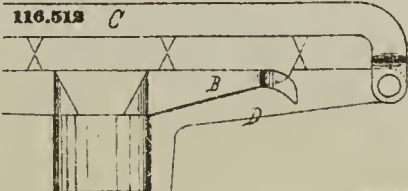
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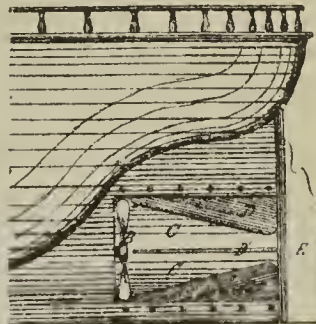


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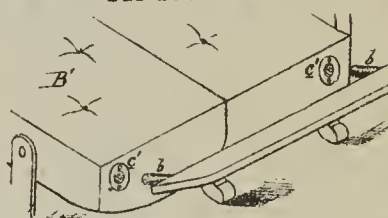
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116,513 CHARLES E. TRIPLER
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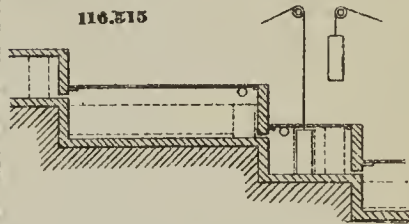


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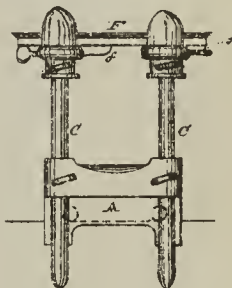


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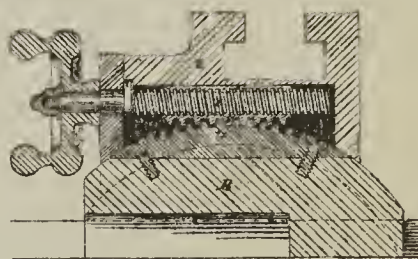
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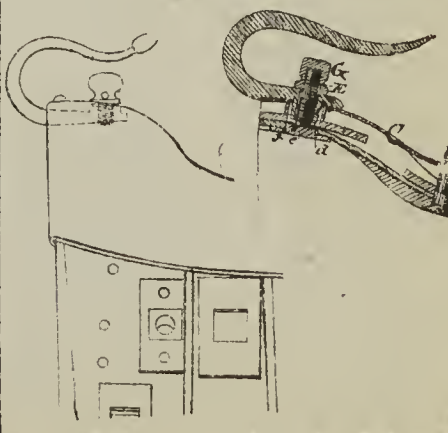
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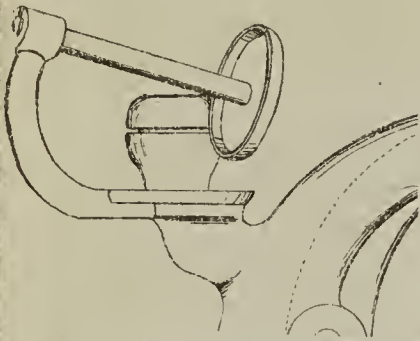
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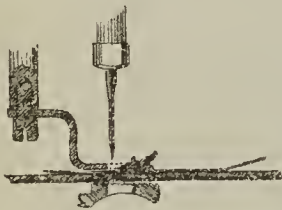
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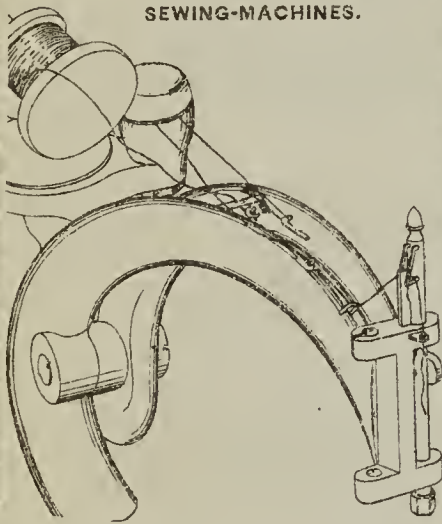
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116,521 SEWING-MACHINES.



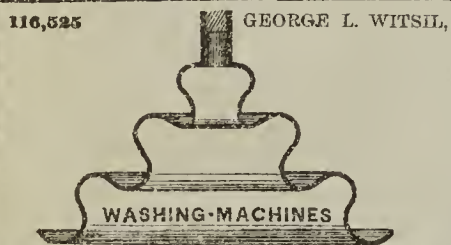
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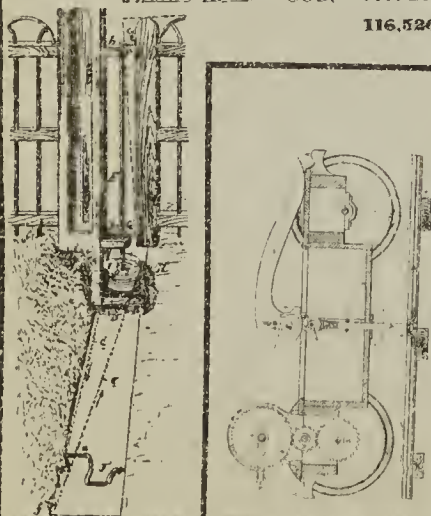
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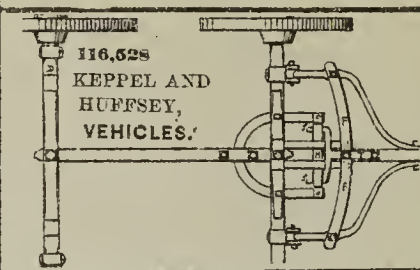
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JAMES ACIN WOOD, GATES.
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M. E. Hastings, 116,527. Hand Car.

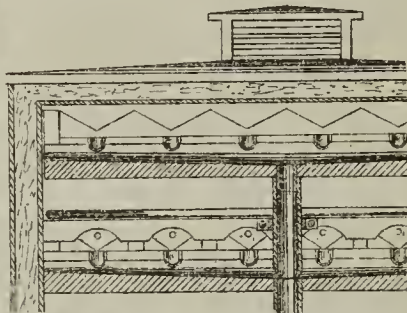


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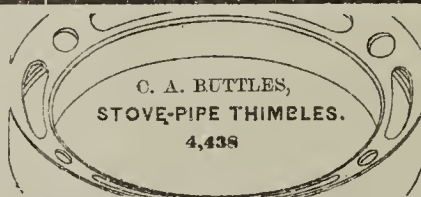
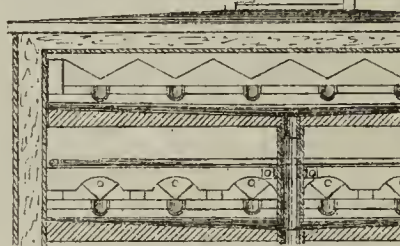
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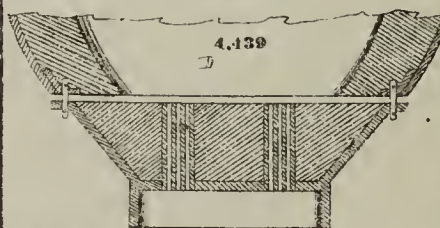
4,436 EDWIN D. BRAINARD,
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4,437 EDWIN D. BRAINARD,
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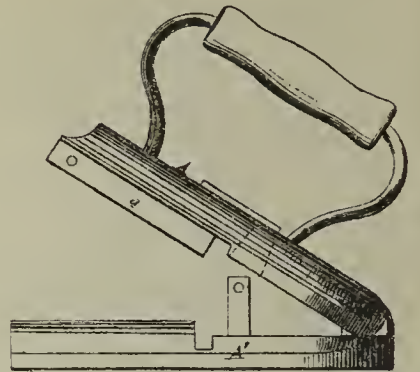
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4,441 ELIAS INGRAHAM,
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4,442 ROBERT KING,
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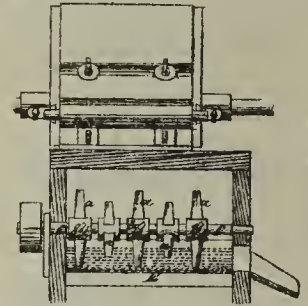


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4,444 HENRY LOEWENBERG,
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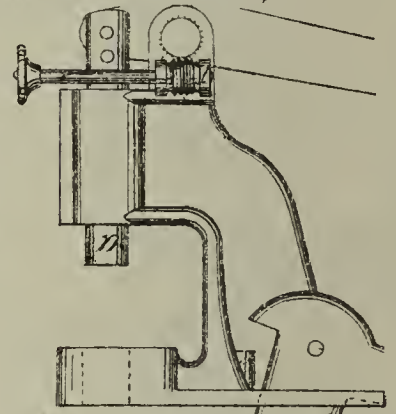
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4,445 JAMES W. SMITH.



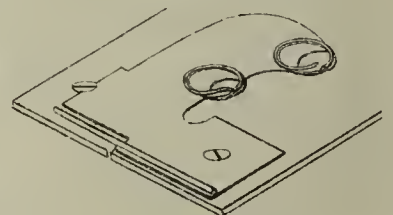
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4,447 WM. SMITH,
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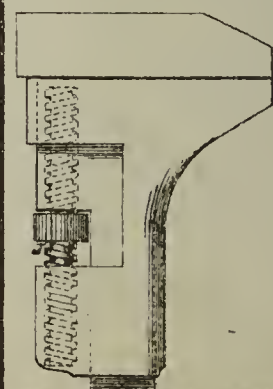
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4,448 MOSES G. WILDER,



4,449 WILLCOX & GIBBS
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AURY G. COES,
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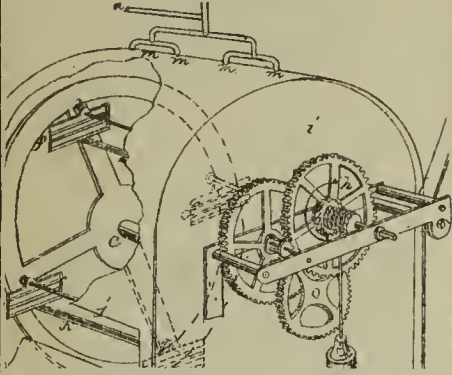
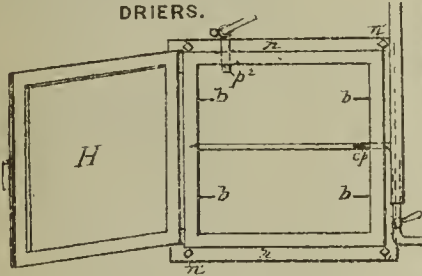


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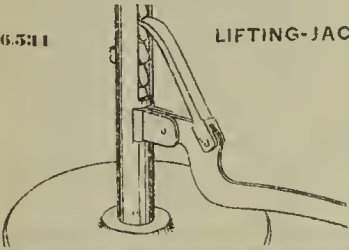
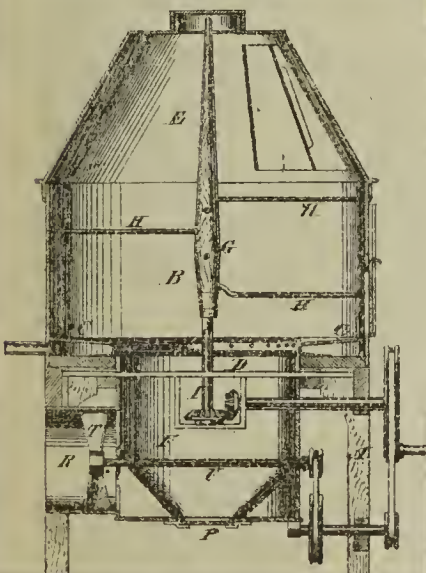
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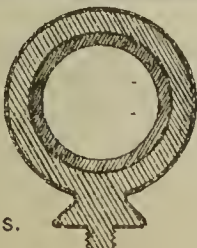
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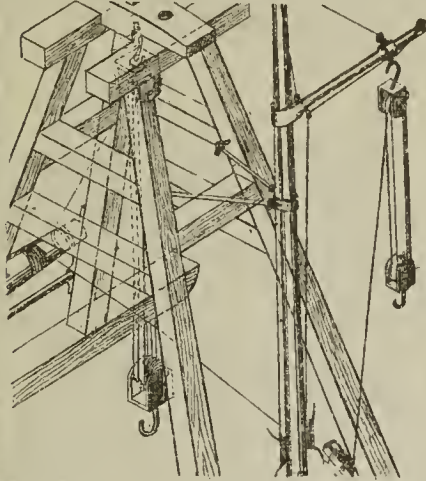
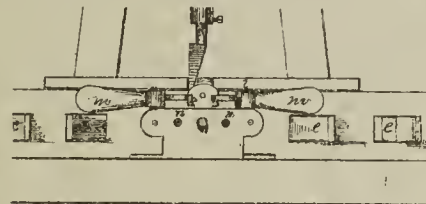
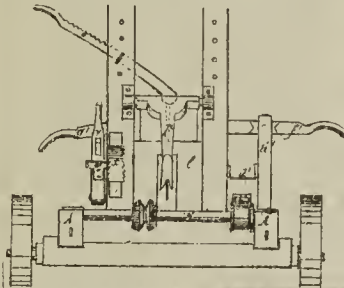
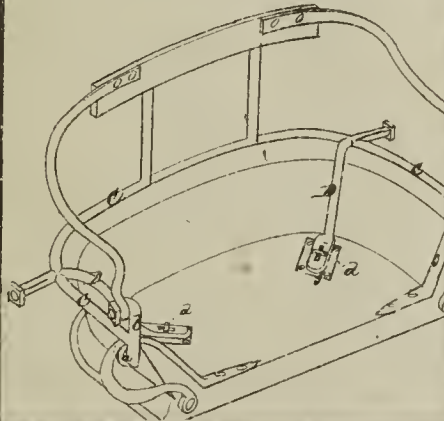
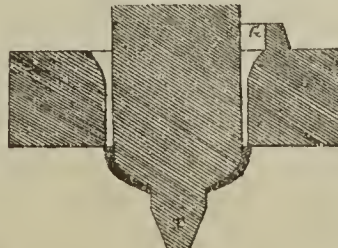
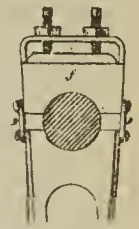
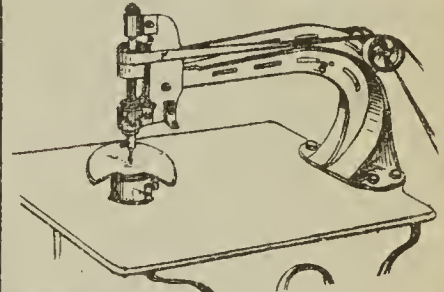
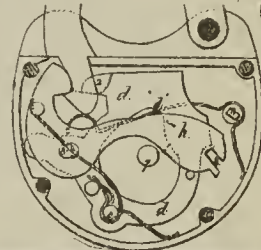
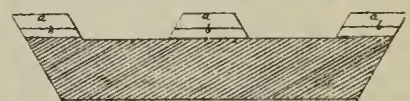
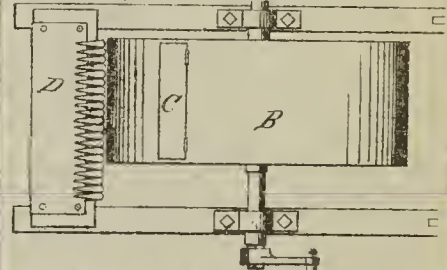
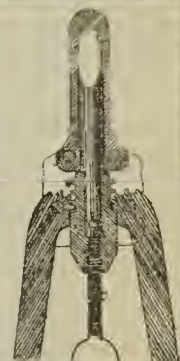
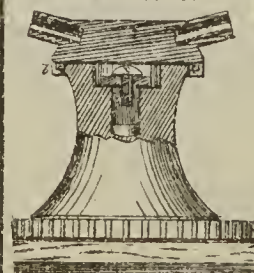
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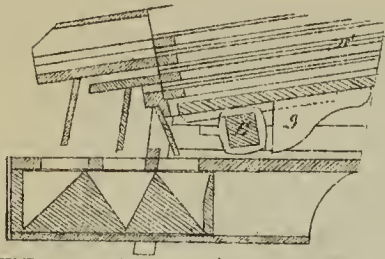
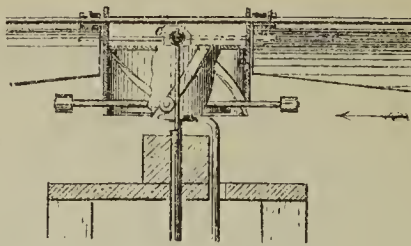
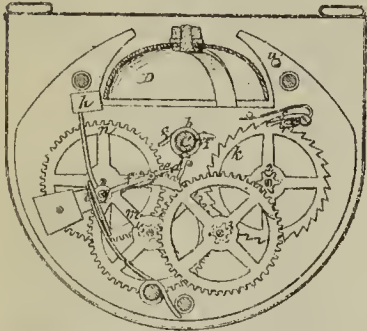
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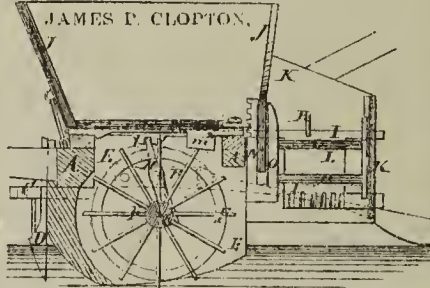
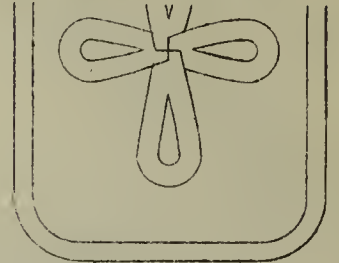
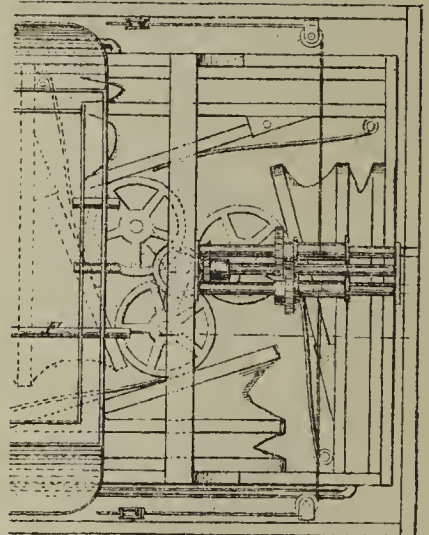
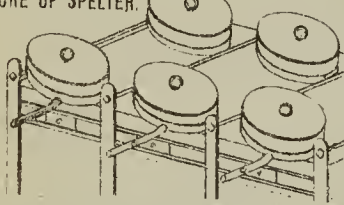
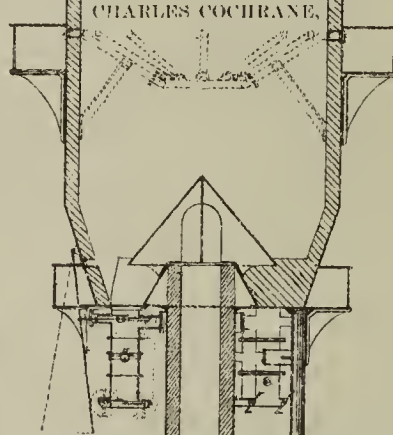
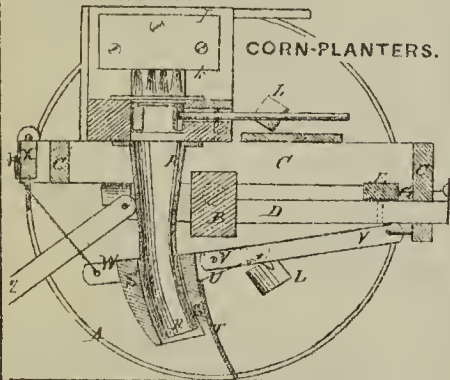


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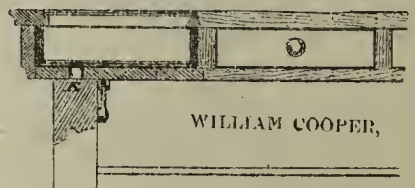
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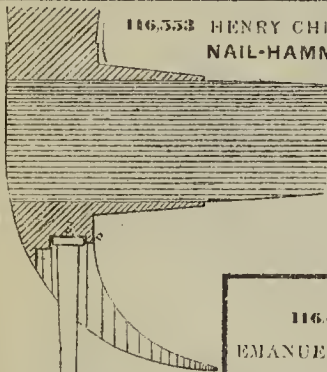
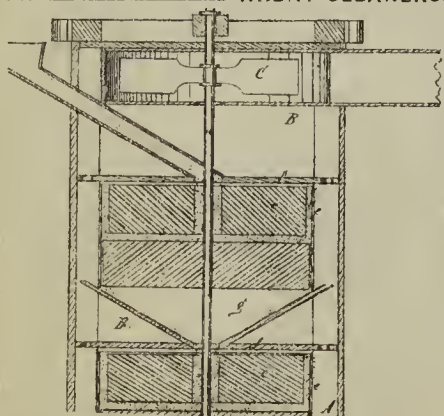
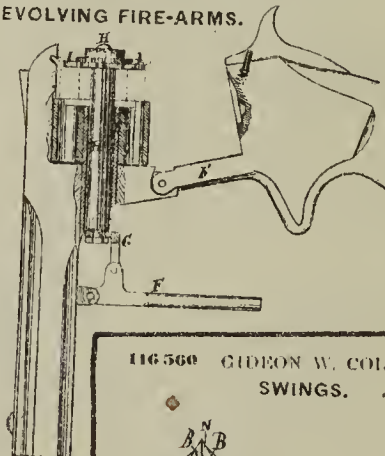
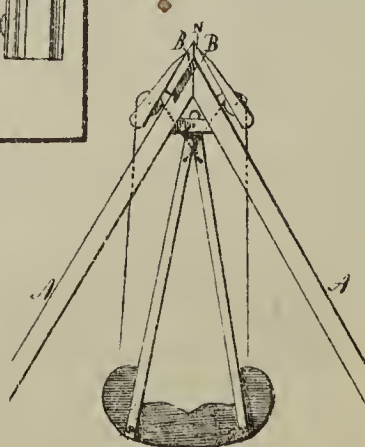
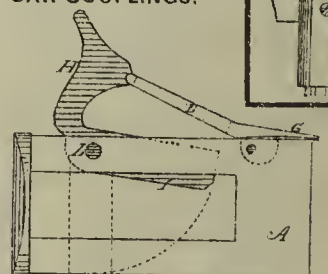
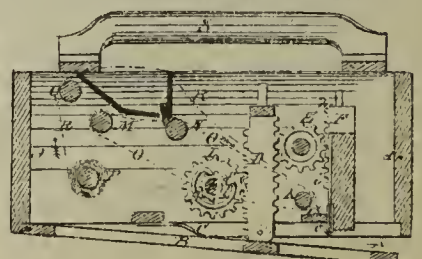
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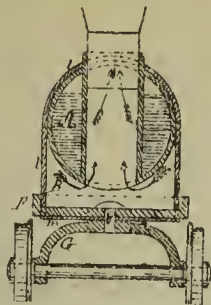
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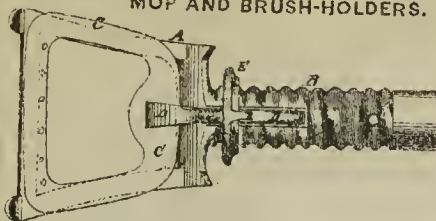
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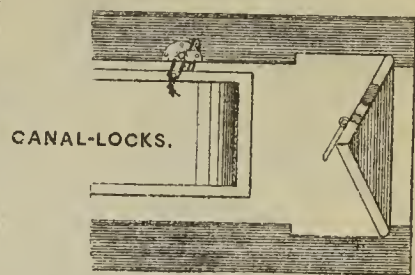
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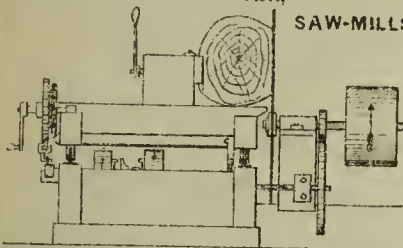


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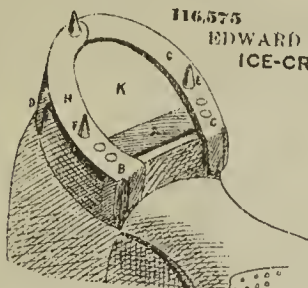


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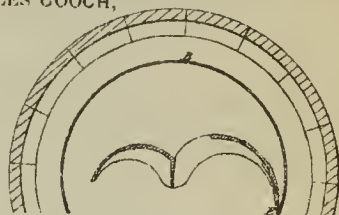
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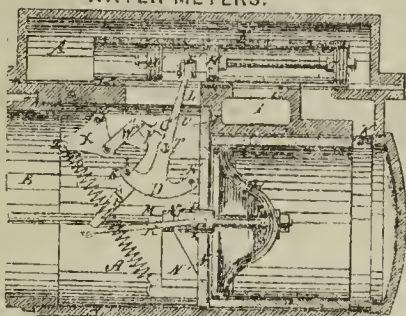
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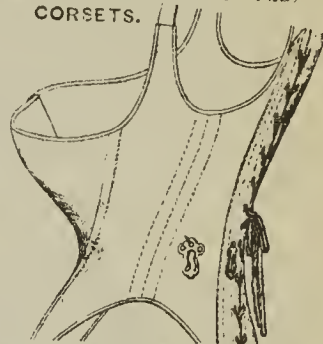
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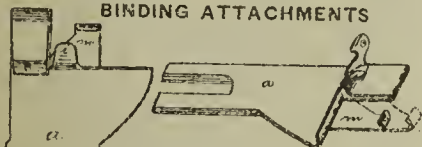
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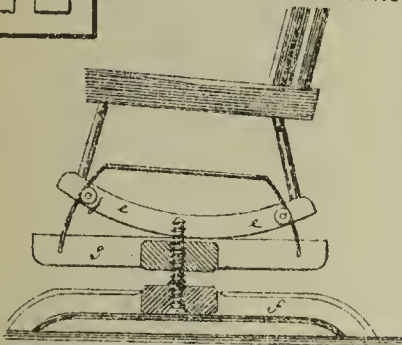
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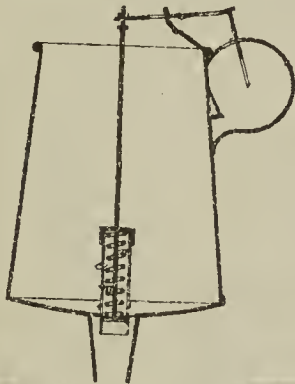
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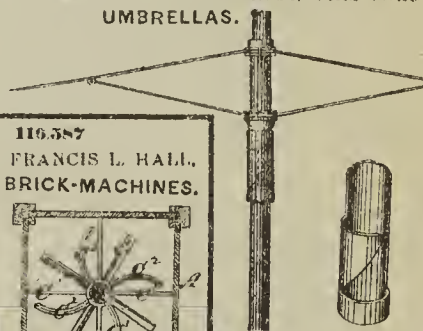
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116580 FISHER AND
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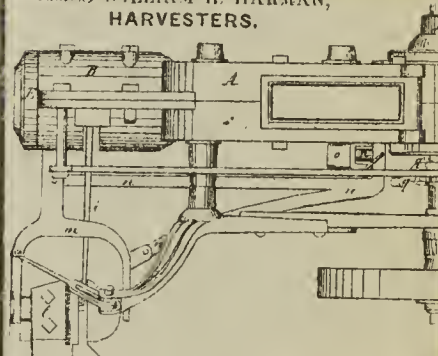
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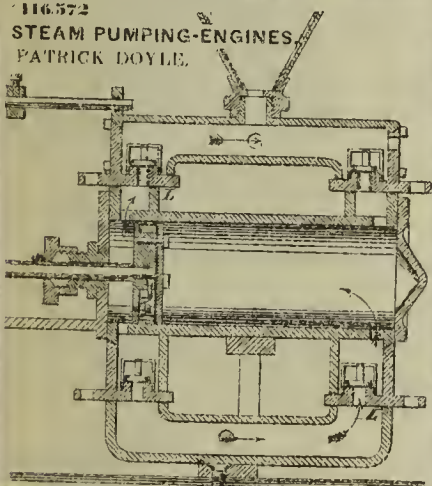
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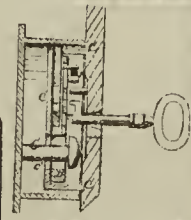
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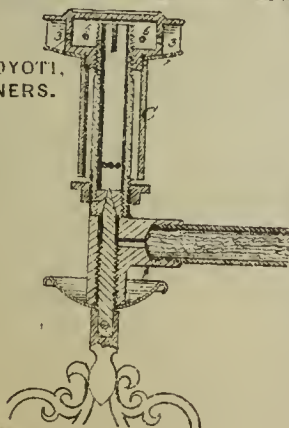
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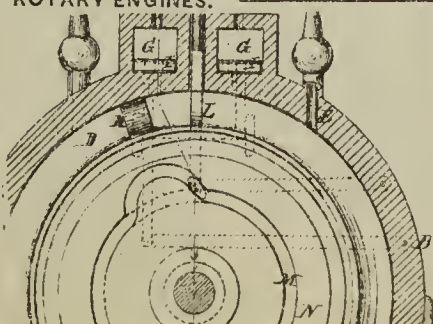
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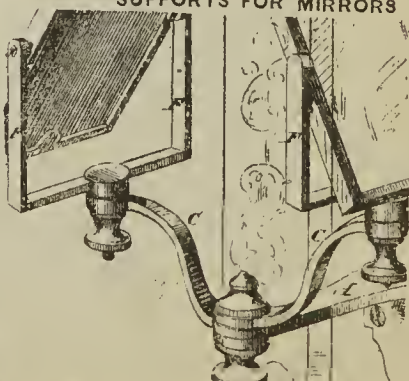
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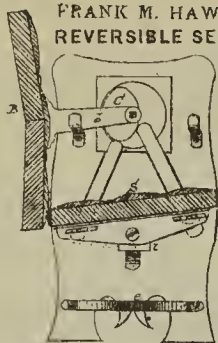
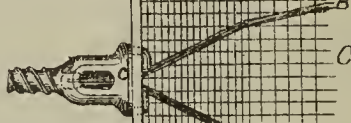
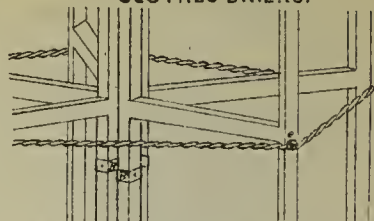
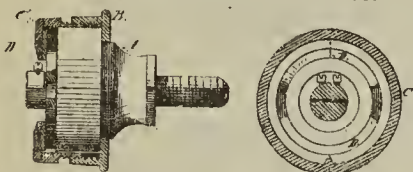
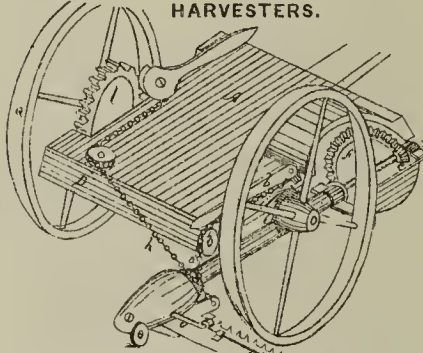
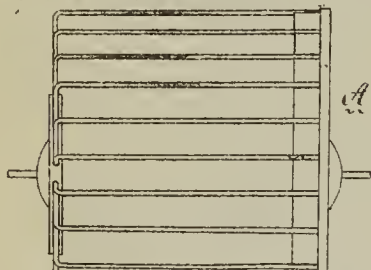
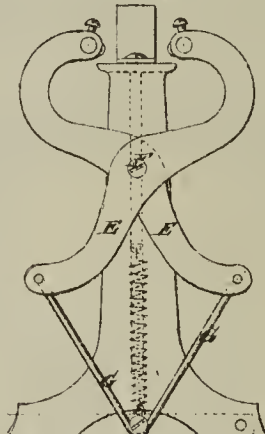
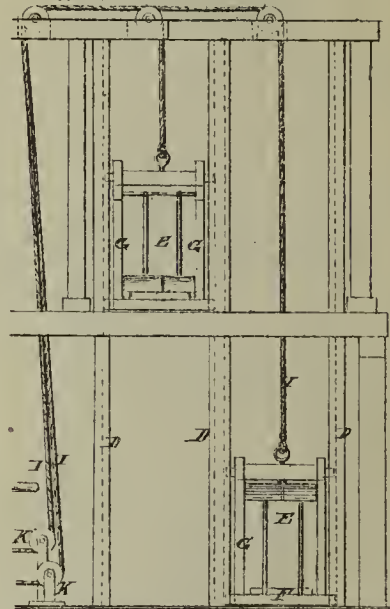
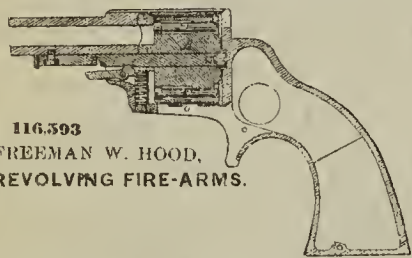
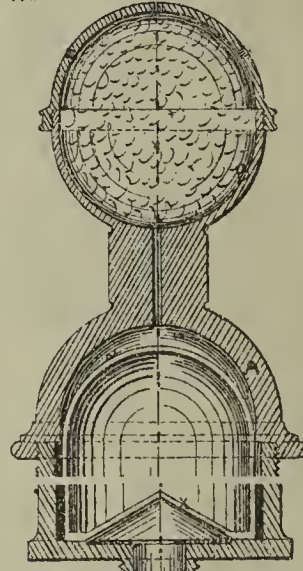
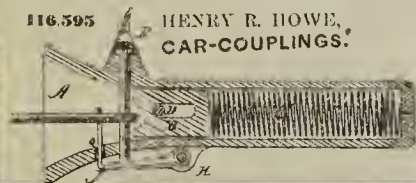
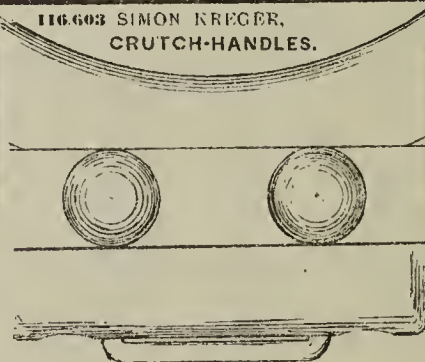
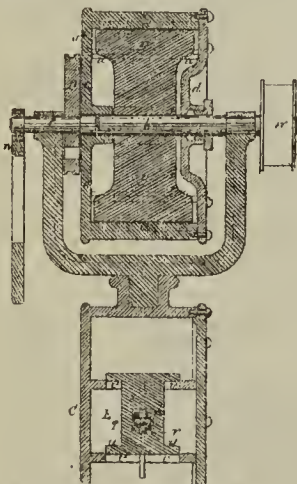
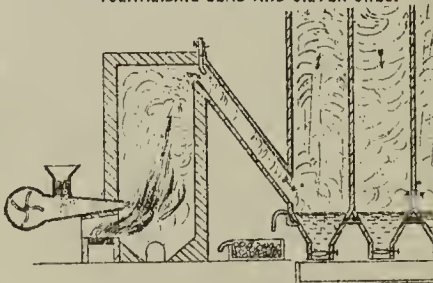
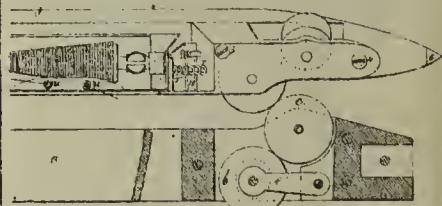
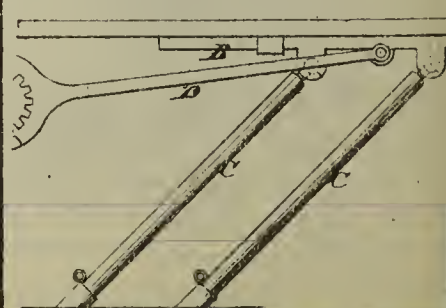
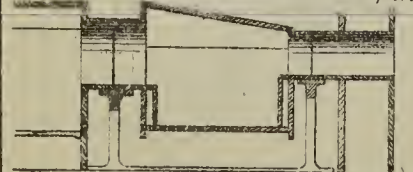
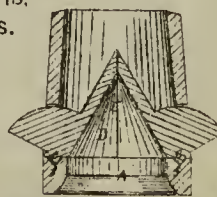


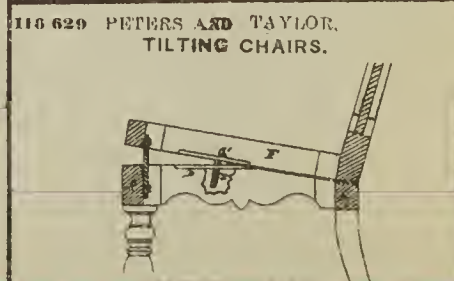
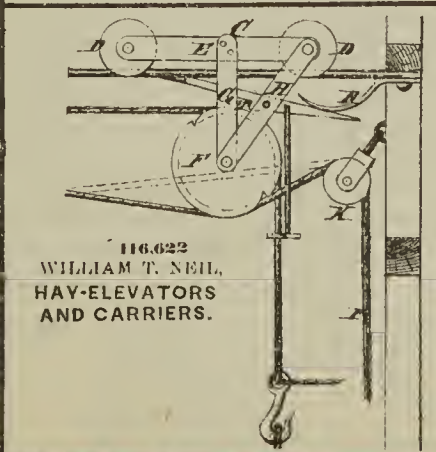
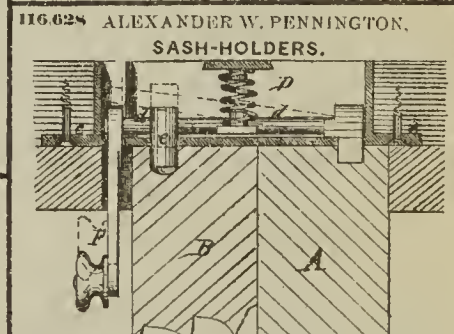
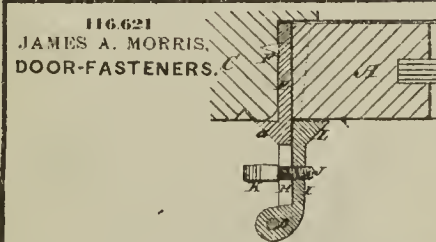
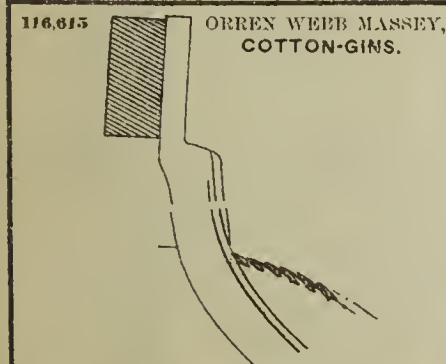
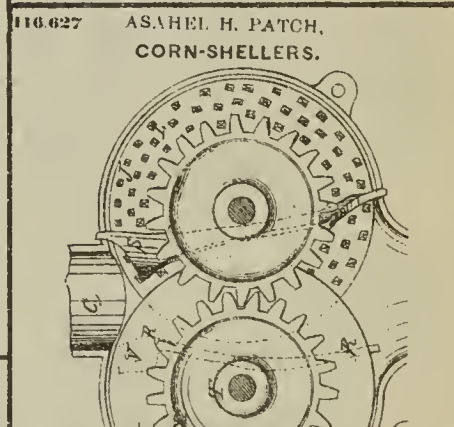
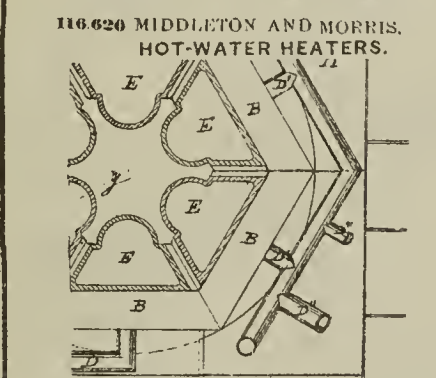
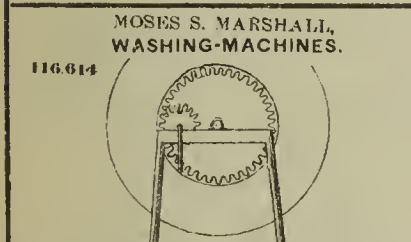
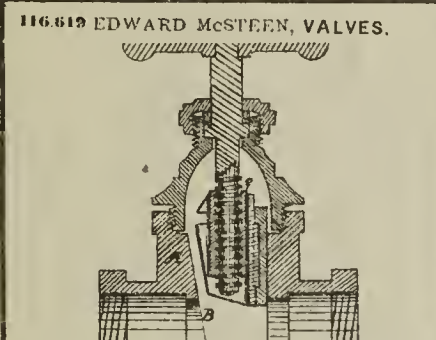
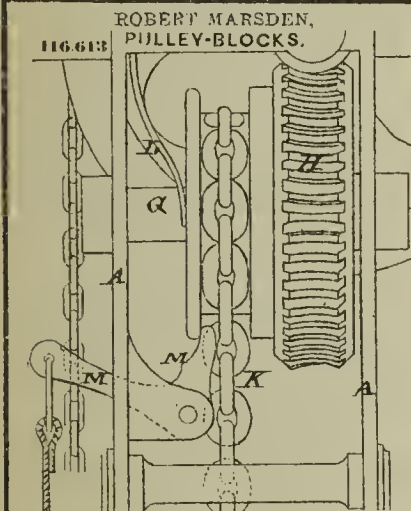
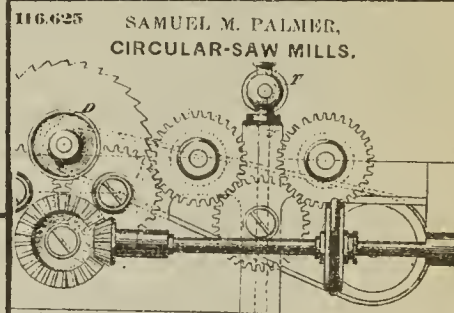
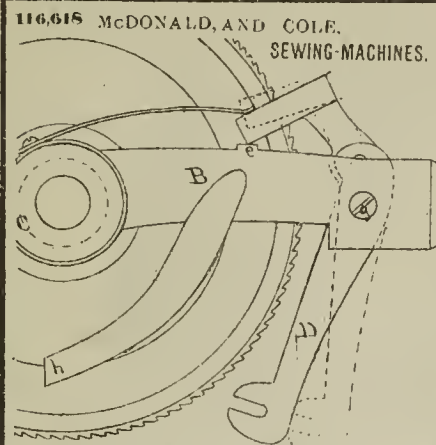
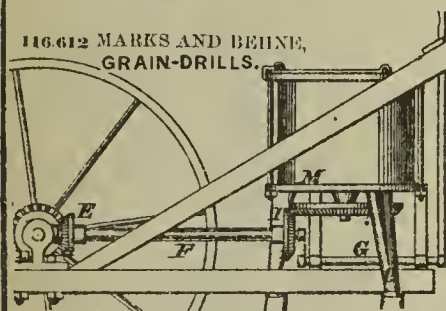
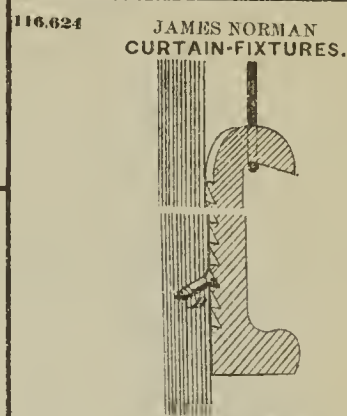
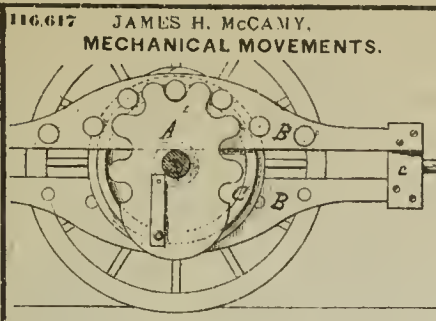
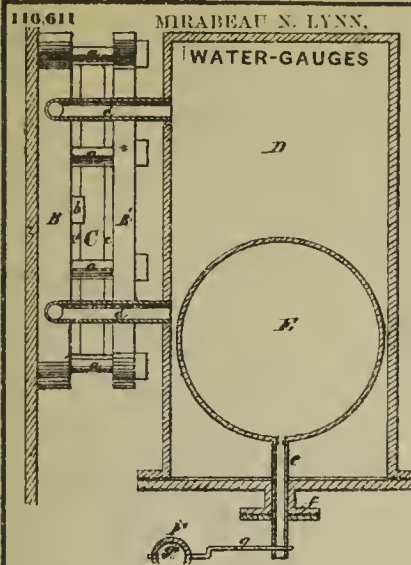
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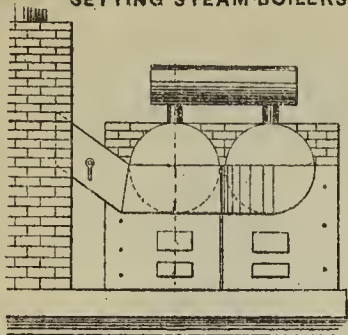
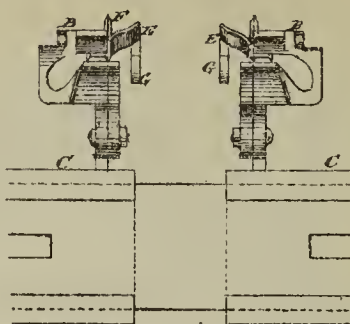


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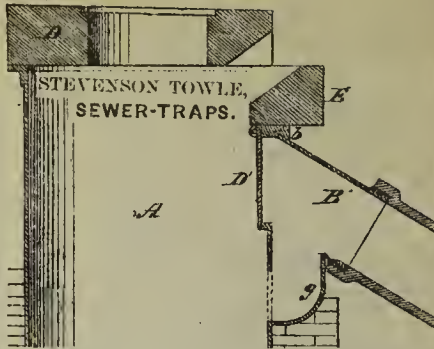
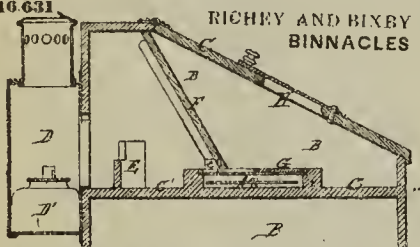
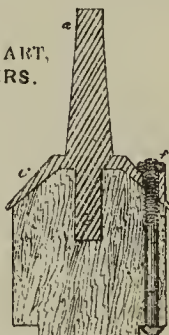


116.590 FRANK M. HAWKINS,
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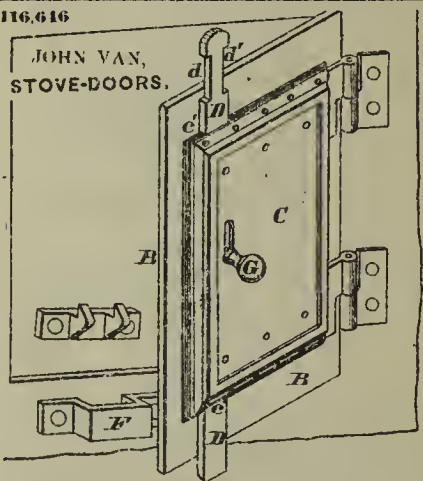
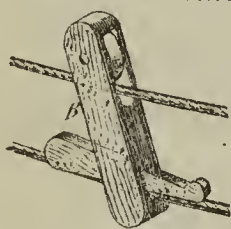
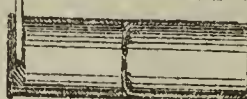
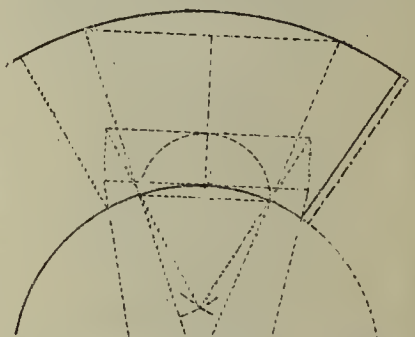
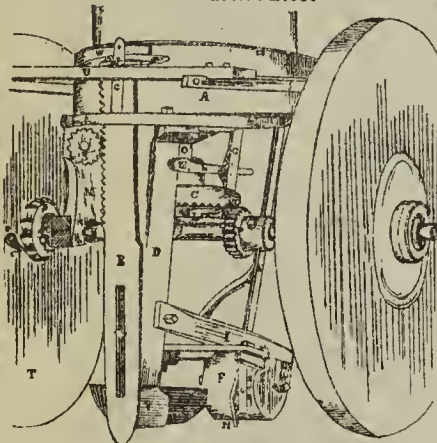
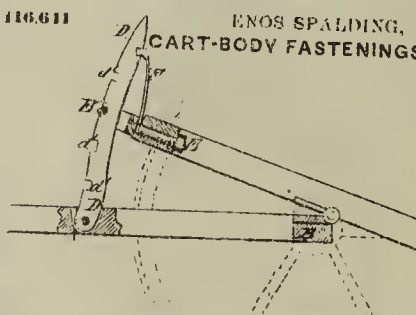
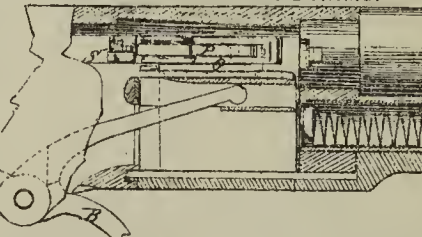
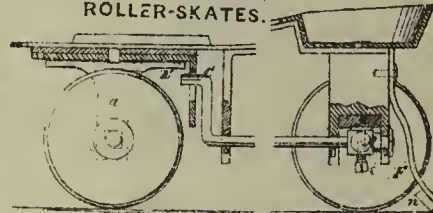
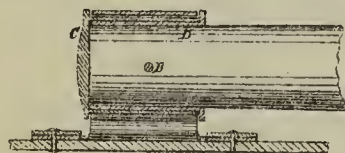
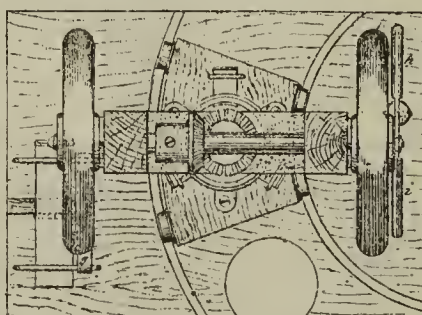
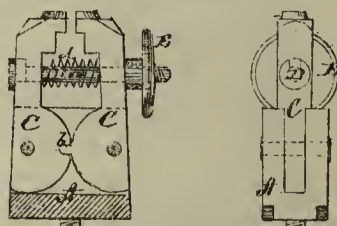
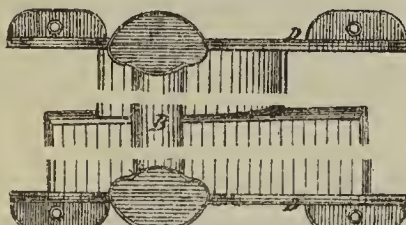
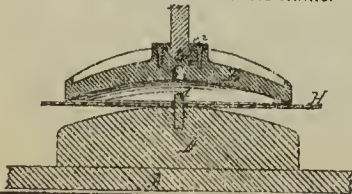
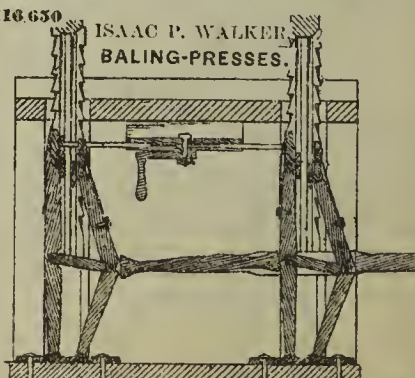


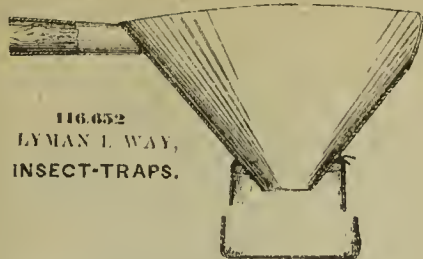
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116,645

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116,646

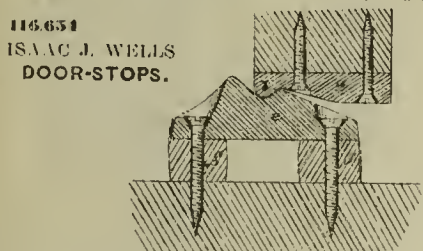
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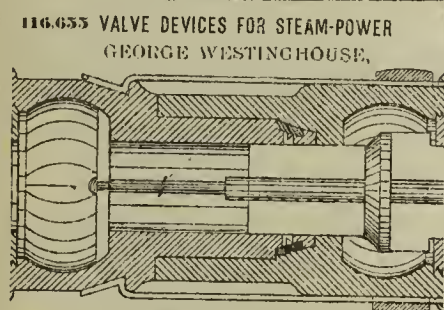
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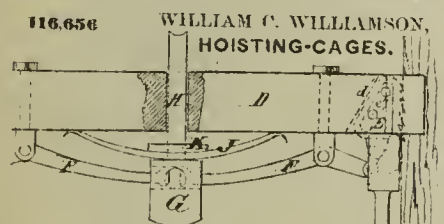
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SHOE-FASTENINGS.



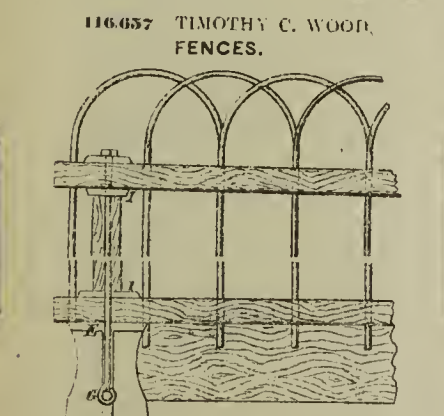
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ISAAC J. WELLS
DOOR-STOPS.



116.655 VALVE DEVICES FOR STEAM-POWER
GEORGE WESTINGHOUSE.



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WILLIAM C. WILLIAMSON,
HOISTING-CAGES.

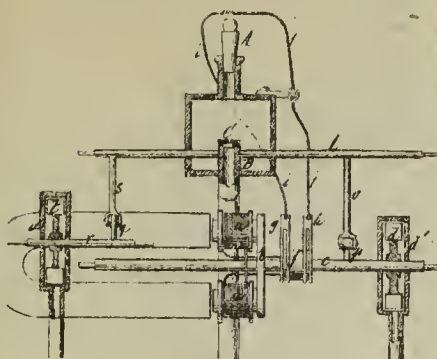


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FENCES.

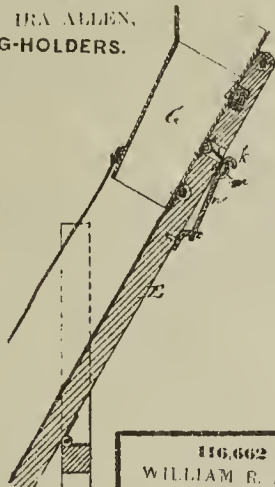


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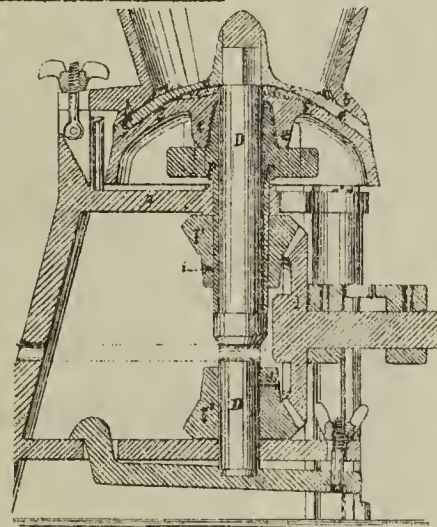
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MAGNETO-ELECTRIC GAS-LIGHTING APPARATUS.



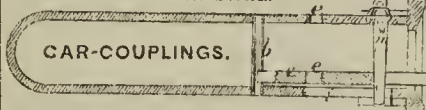
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BAG-HOLDERS.



116.662
WILLIAM R. ANE,
PAINT-MILLS

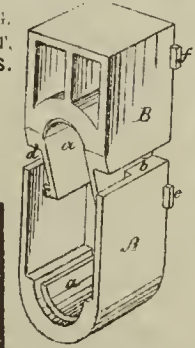


116.663 DAVID H. BALL.

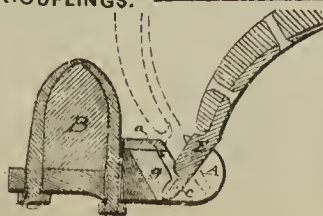


CAR-COUPPLINGS.

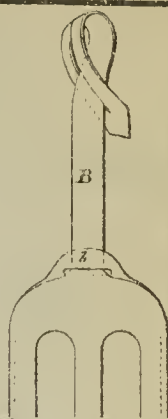
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W. BARTLETT,
CLOTHES-WRINGERS.



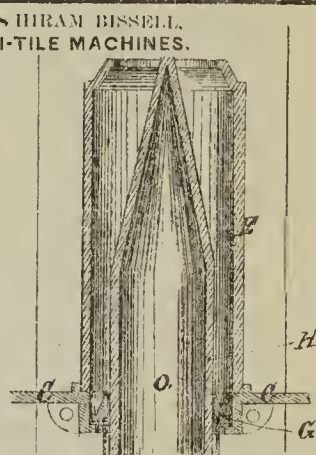
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ALMA BEDFORD,
THILL-COUPPLINGS.



116.667 FRANCIS XAVIER
BELLERIVE,
BAGGAGE-CHECKS.



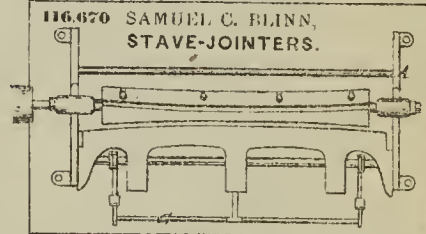
116.668 HIRAM BISSELL,
DRAIN-TILE MACHINES.



116.669 RICHARD C. BLAKE,
STEAM-GAUGES.



116.670 SAMUEL C. BLINN,
STAVE-JOINTERS.



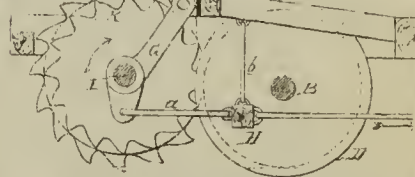
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AUGUSTUS O.
BOURN,
STEAM-PACKING.



116.672 DANIEL BOWKER,
JACK-POSTS FOR PEGGING SHOES.

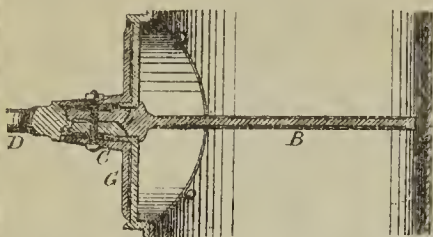
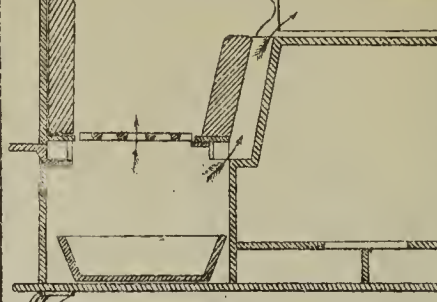
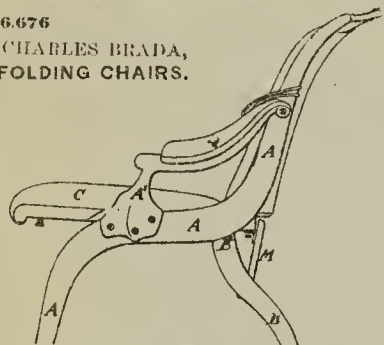
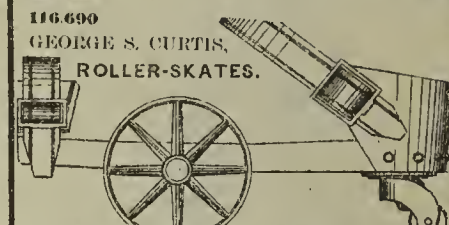
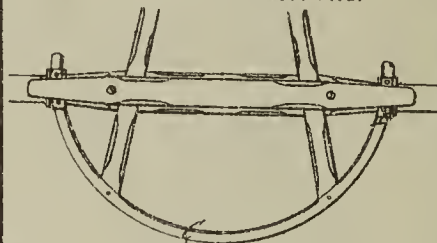


116.673 MICHAEL CROLL BOYER,
TRACK-CLEARERS

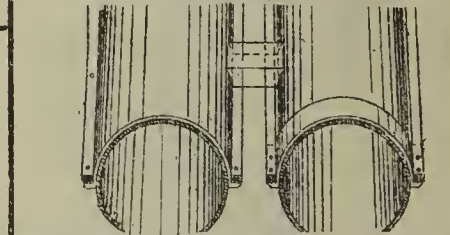
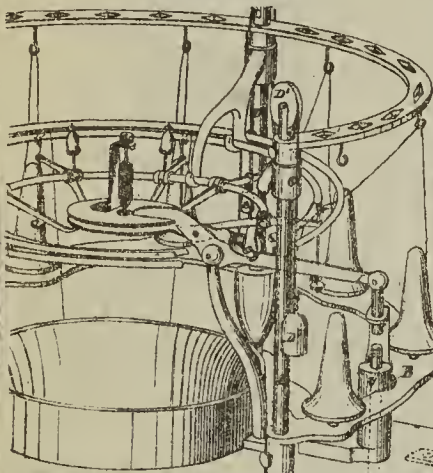
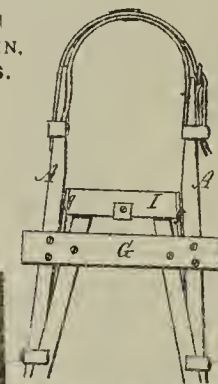
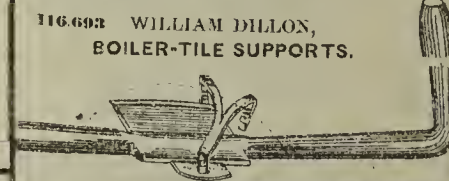
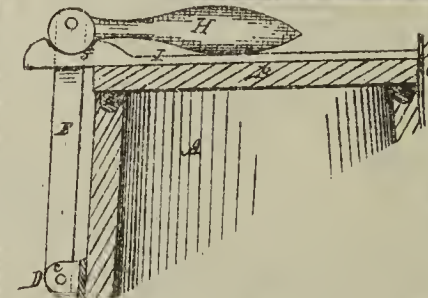
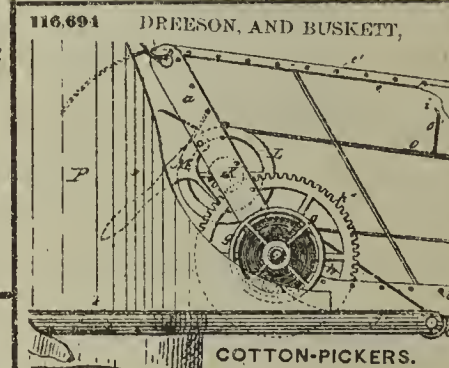
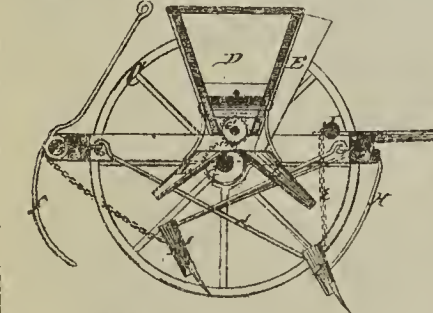


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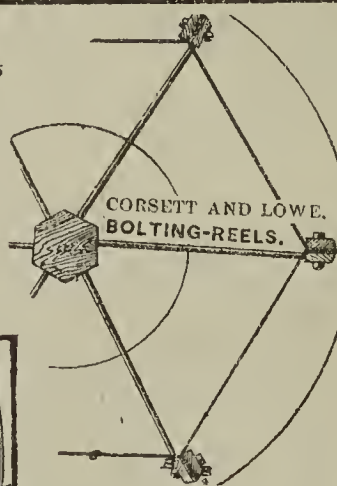
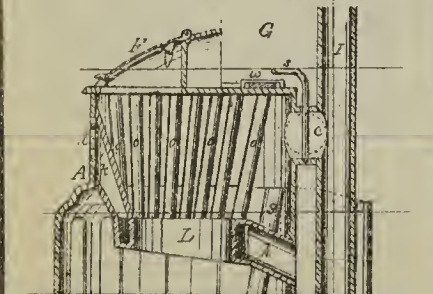
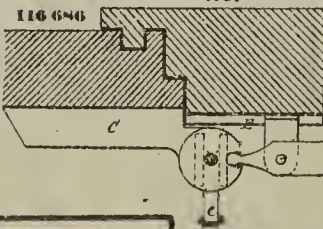
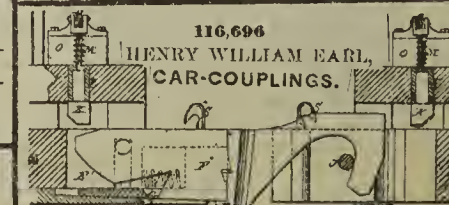
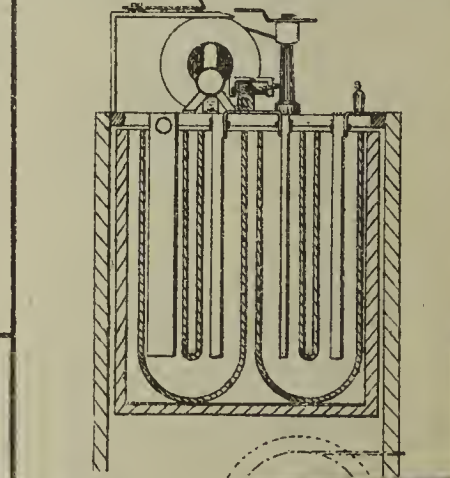


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STOVE-PIPE DAMPERS.116.681 JOHN H. BURTIS,
COOKING-RANGES.116.676 CHARLES BRADA,
FOLDING CHAIRS.116.682 VOSCO M. CHAFEE,
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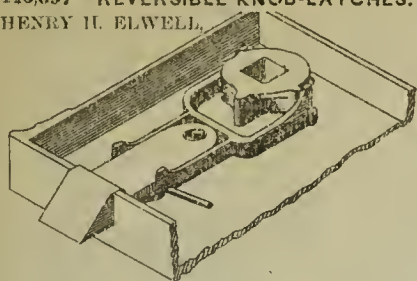
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116.677 HORACE C. BRADFORD,
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BOILER-TILE SUPPORTS.116.678 EDWARD BRAGGINS,
CORN-PLANTERS AND CULTIVATORS.116.694 DREESON, AND BUSKETT,
COTTON-PICKERS.116.679 WILLIAM E. BROCK,
WINDOW-BLINDS.

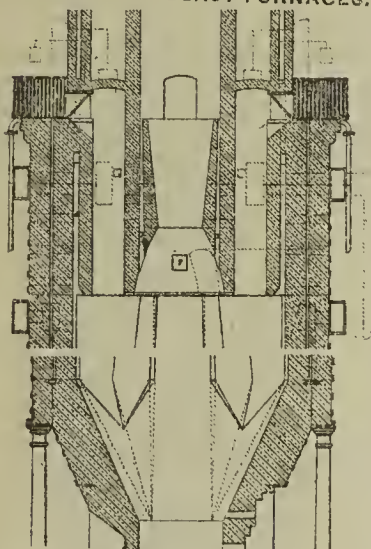
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FIRE-PLACE HEATERS.D'ESTAING S. COVERT,
SAFE-DOORS.116.687 CALVIN CROWELL,
SHIRT-BOSOM EXPANDERS.116.695 LUIS DRESCHER,
ELECTRO-MEDICAL APPARATUS.116.696 HENRY WILLIAM EARL,
CAR-COUPINGS.

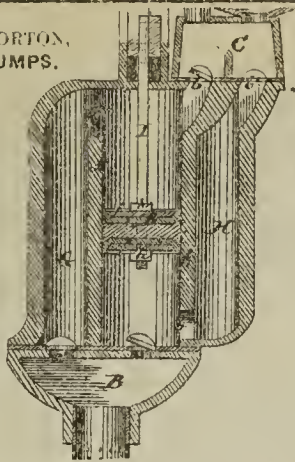
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HENRY H. ELWELL.



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WILLIAM FERRIE,
BLAST-FURNACES.



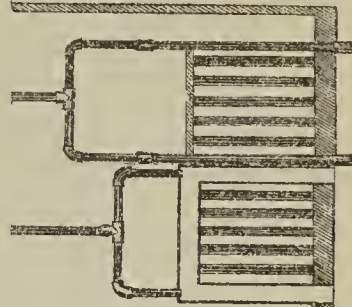
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DANIEL J. GORTON,
PUMPS.



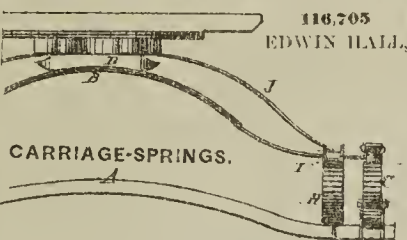
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MEEKER.
HAT



116,711 JOHN HOWARTH,
EVAPORATING SALINE AND OTHER LIQUIDS.

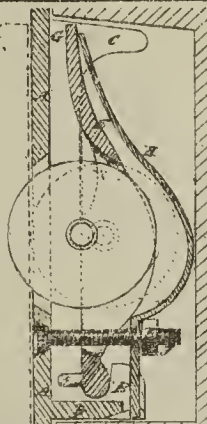


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EDWIN HALL.

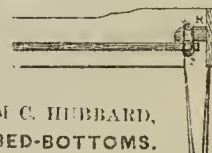


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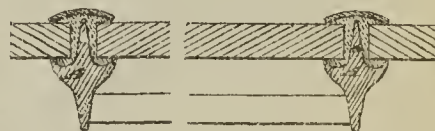
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SASH-HOLDERS.



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SPRING BED-BOTTOMS.



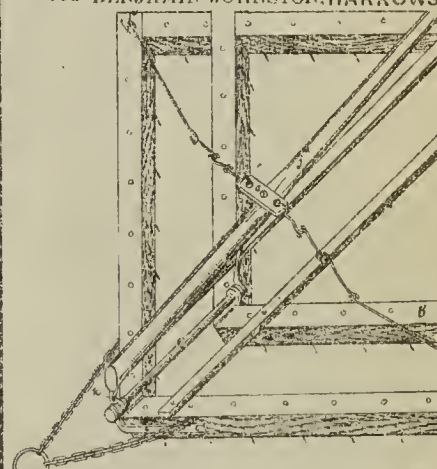
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FRAMES FOR SASHES.



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WILLIAM JOHNSON,
ATTACHMENTS FOR SEWING-MACHINES.

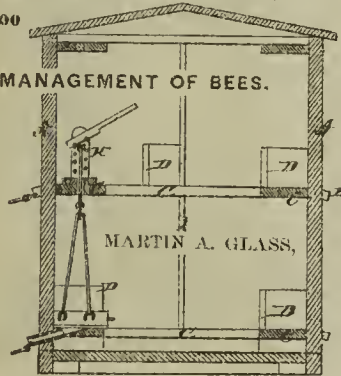


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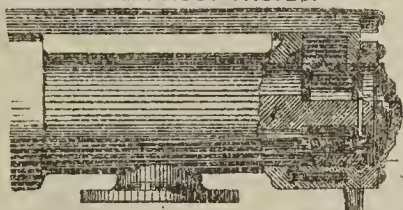
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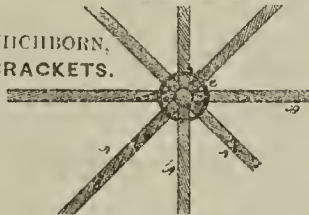


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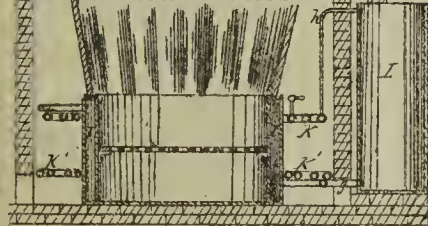
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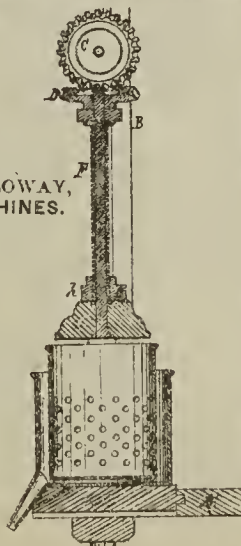
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FLOWER-BRACKETS.



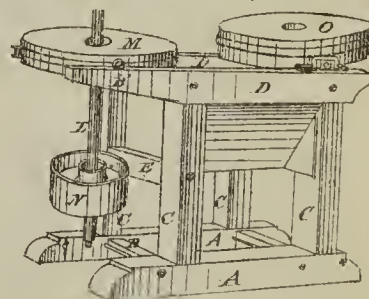
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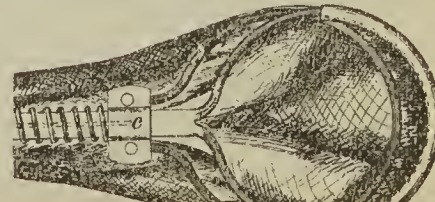
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STUFFING-MACHINES.



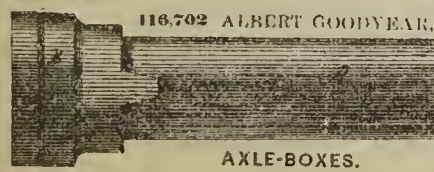
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116,718
JOHN C. KEARNS,
FRUIT-GATHERERS.

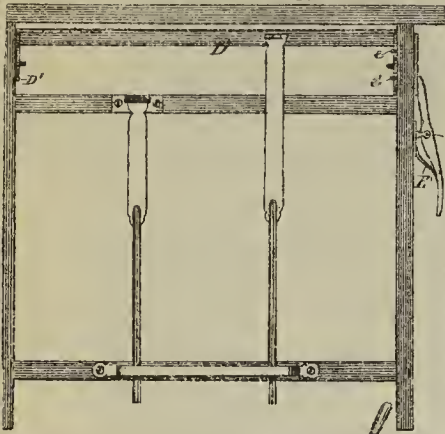


116,702 ALBERT GOODYEAR,



AXLE-BOXES.

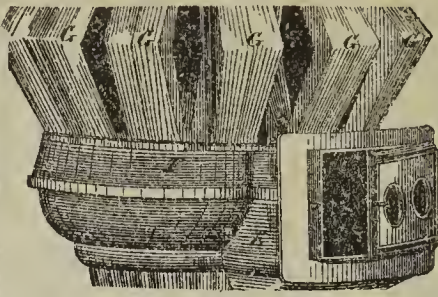
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GRAIN-DRILLS.

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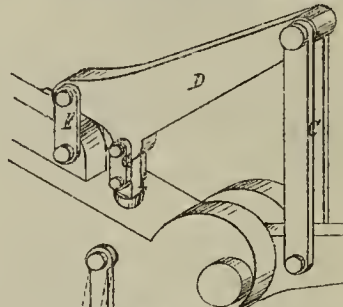
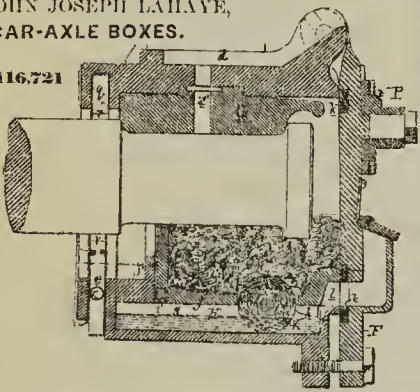
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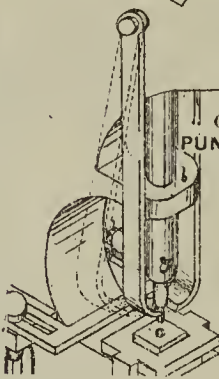
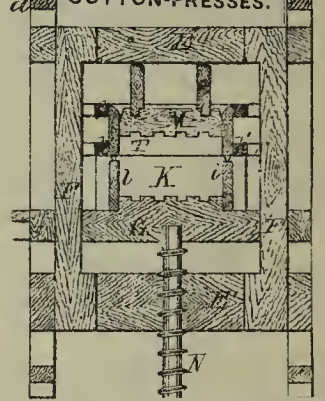
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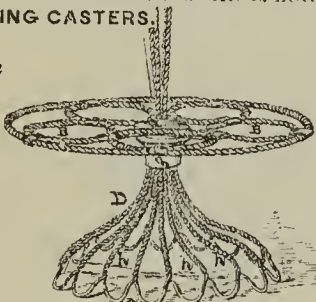
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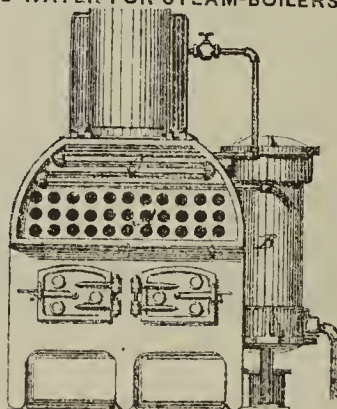
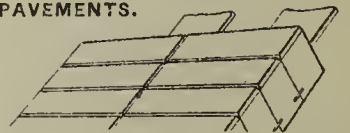
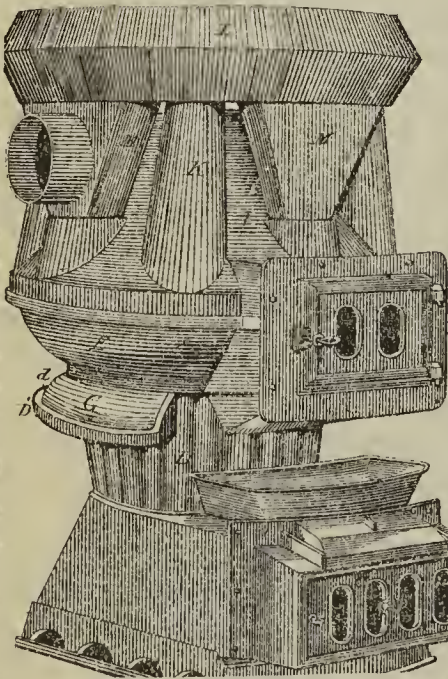
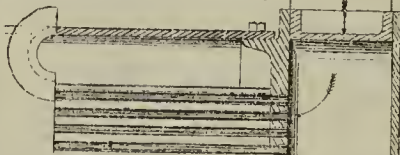
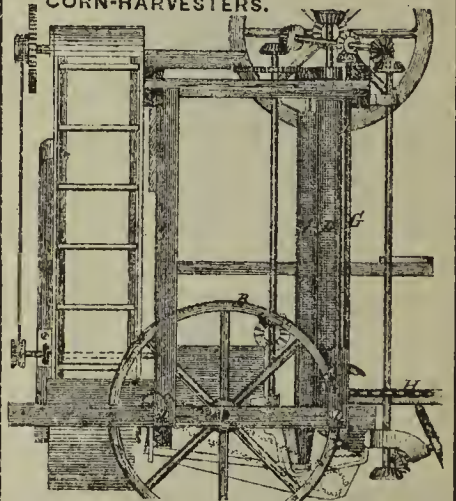
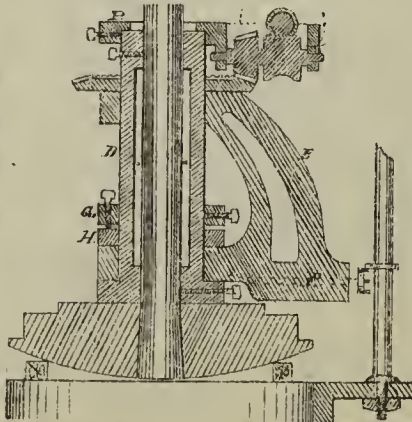
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GEORGE W. LEWIS,
PUNCHING-MACHINES.116732 JACOB MCCLURE,
KNIFE AND PENCIL-SHARPENERS.116733 ALEXANDER B. MCGONNIGL,
COTTON-PRESSES.CYRUS H. LATHAM AND JOHN S. LUGG,
REVOLVING CASTERS.

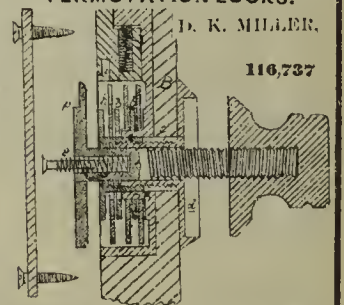
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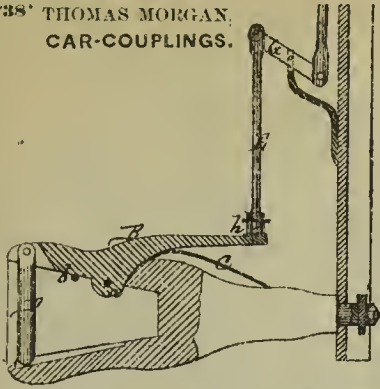
WILLIAM A. LIGHTHALL,
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WOOD PAVEMENTS.116723 JAMES A. LAWSON,
HOT-AIR FURNACES.116728 WILLIAM A. LIGHTHALL,
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PISTON-FACING MACHINES.PERMUTATION LOCKS.
D. K. MILLER.

116737

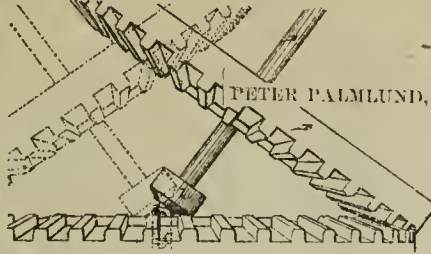
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HAMES.

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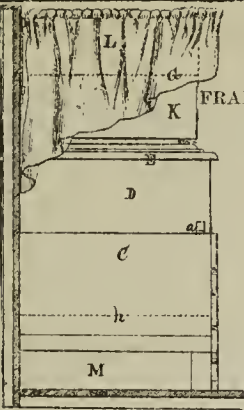
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116,738' THOMAS MORGAN,
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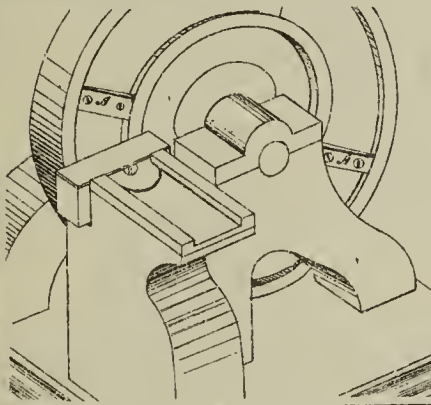
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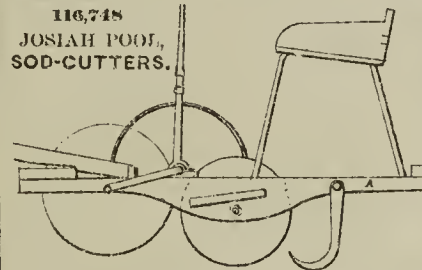
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SLEEPING-CARS.

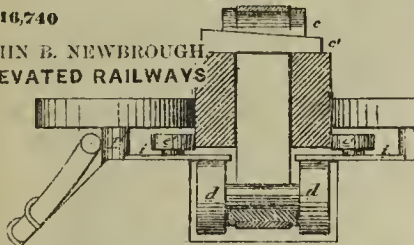
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PAUL AND
MORGAN,
NAIL-MACHINES

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JOSIAH POOL,
SOD-CUTTERS.

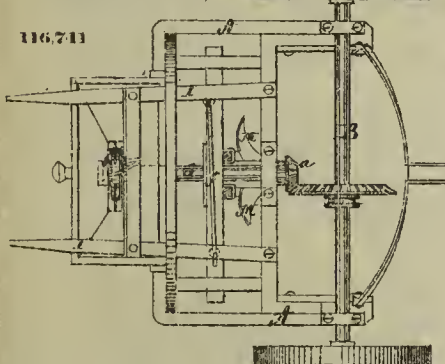
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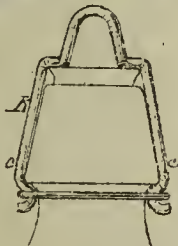
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ABEL R. NIXON,

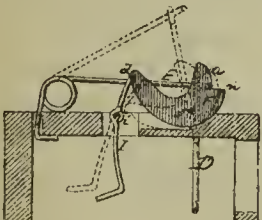
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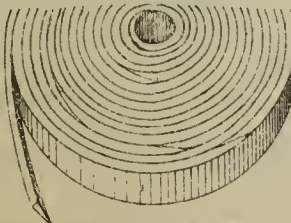
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GEORGE OTTO AND
GEORGE W. BAUER,
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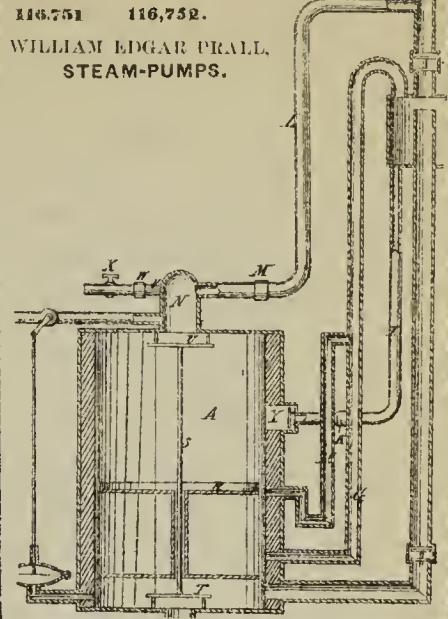
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MOUSE-TRAPS.

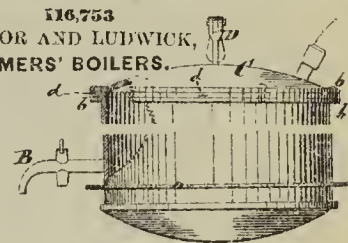
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HENRY F. PACKARD,
RANDS FOR BOOTS AND SHOES.

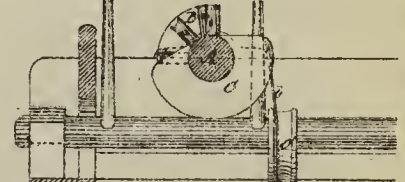
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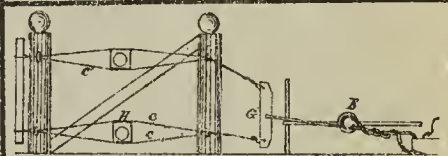
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FRYOR AND LUDWICK,
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ROBERT RAMSEY,
RAILWAY GATES.

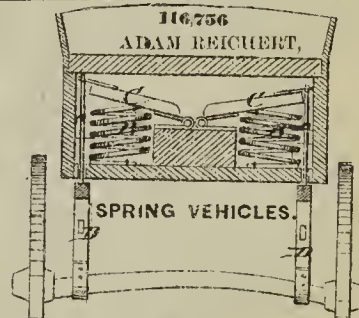
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WIRE FENCES.

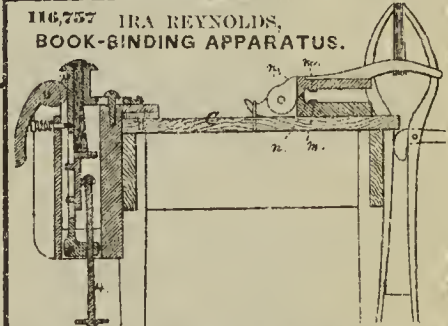
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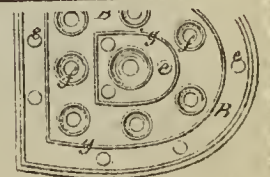
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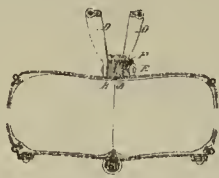
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IRA REYNOLDS,
BOOK-BINDING APPARATUS.

116,758

RICHARDSON
AND
HACKER,
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BOOT-HEELS.

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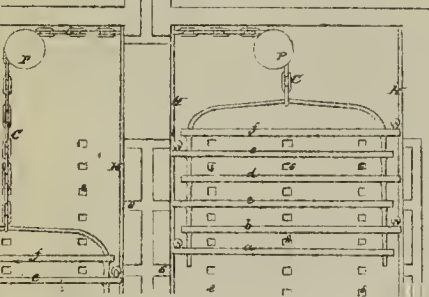
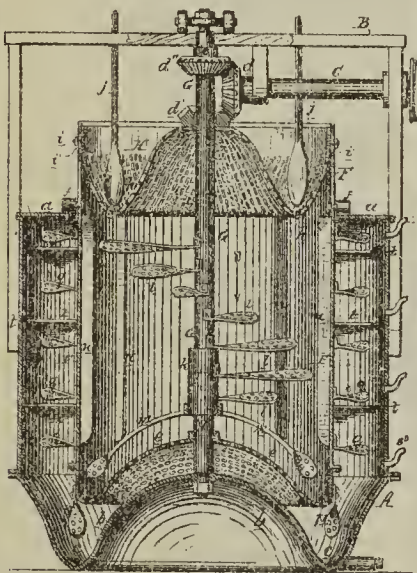
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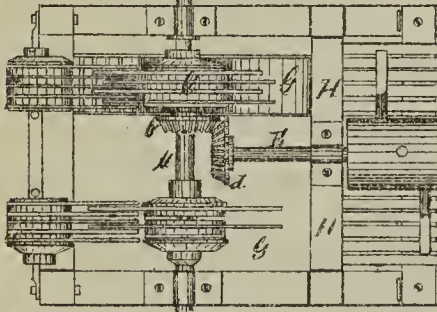
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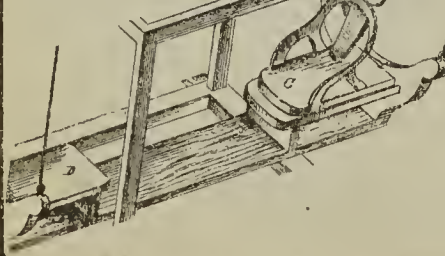
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OVENS.116763 WILLIAM CROWTHER SHAW,
AMALGAMATING ORES.

116764

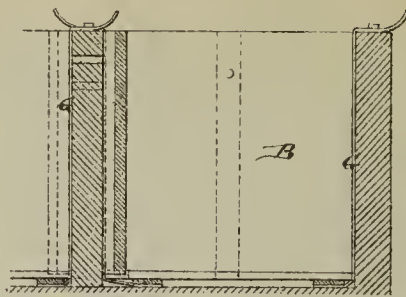
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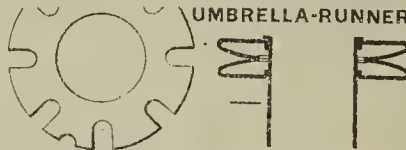
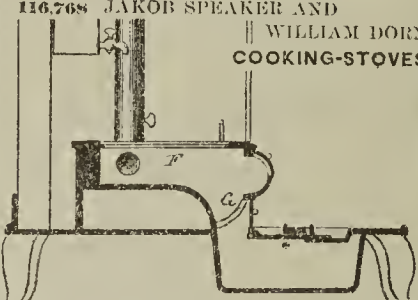
WILLIAM WINSTON SLOAN,
PHOTOGRAPHING

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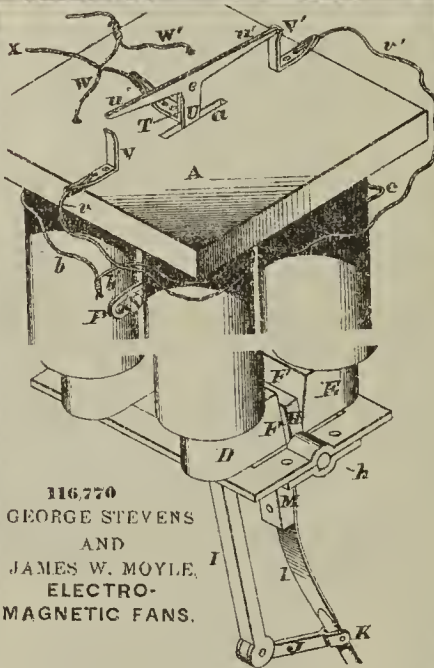
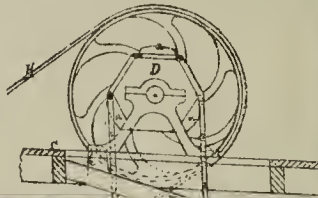
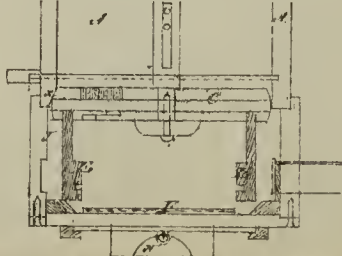
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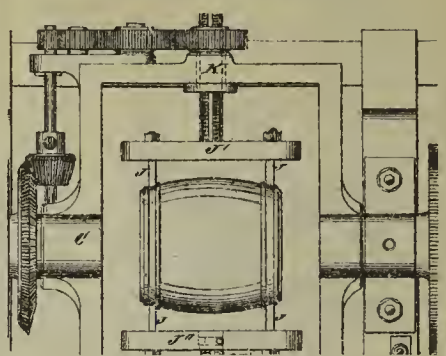
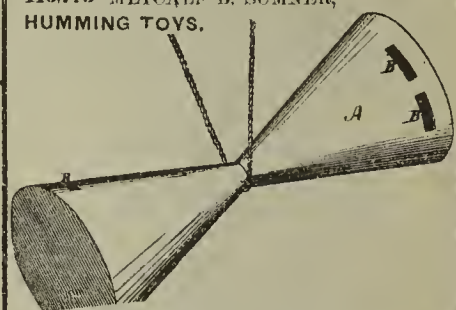
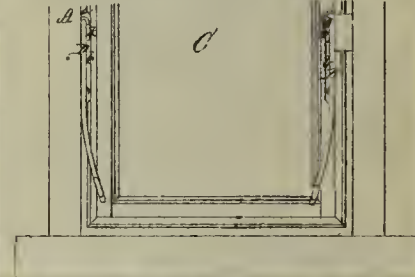
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ORREN MARK SMITH,
UMBRELLA-RUNNERS116768 JAKOB SPEAKER AND
WILLIAM DORN,
COOKING-STOVES.

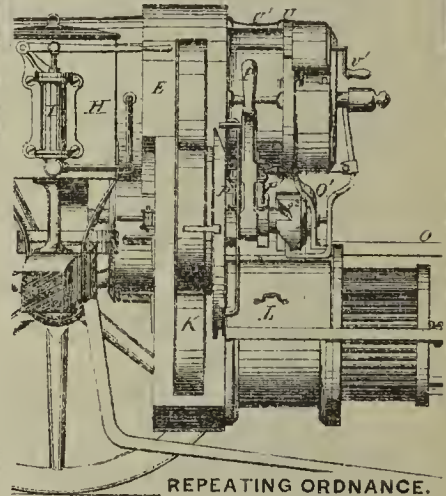
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GEORGE SPRAGUE,
HOISTING APPARATUS.116770
GEORGE STEVENS
AND
JAMES W. MOYLE,
ELECTRO-
MAGNETIC FANS.116771 JOHN STOCK AND JACOB STOCK,
PHOTOGRAPHIC APPARATUS.

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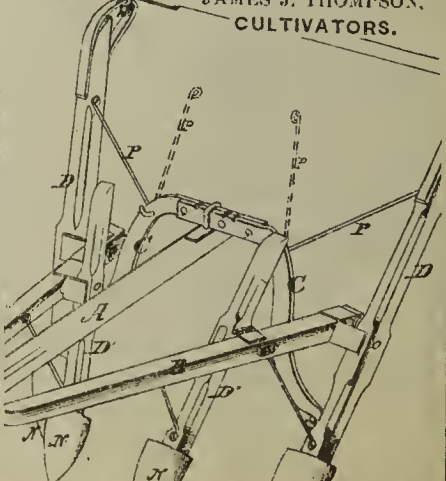
116772 BENJAMIN J. STUKENBORG,
DISTRIBUTING PITCH IN BARRELS116773 METCALF B. SUMNER,
HUMMING TOYS.116774 ANTHONY B. SWEETLAND,
RAILROAD-CAR VENTILATORS.

116775 JAMES PATTON TAYLOR,

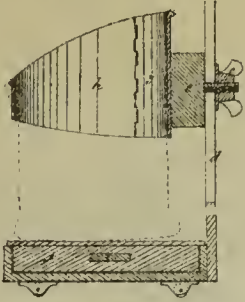


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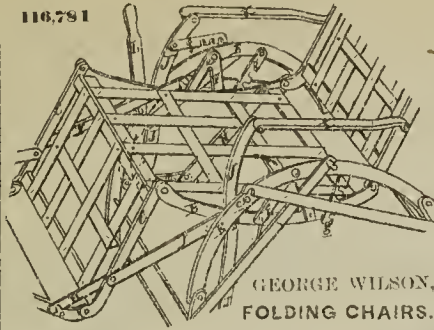
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CULTIVATORS.

THOMAS JEFFERSON TRAPP,
116,777 BAG-HOLDERS.



116,781

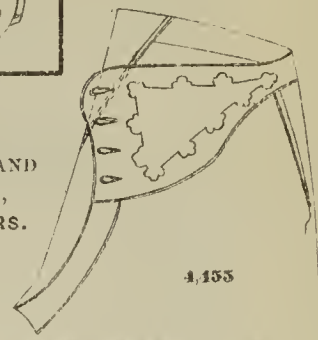


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FOLDING CHAIRS.



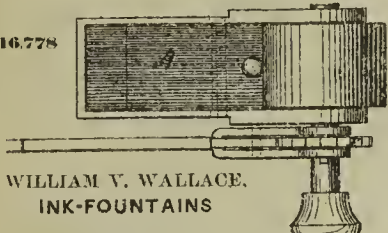
ISAAC A. DUNHAM,
EDGE-PLANES
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FISK,
CLARK, AND
FLAGG,
DRAWERS.



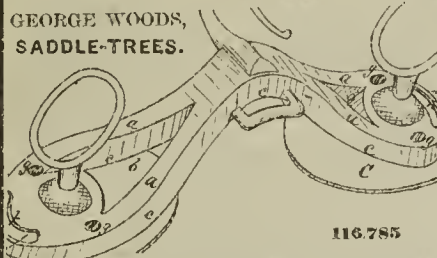
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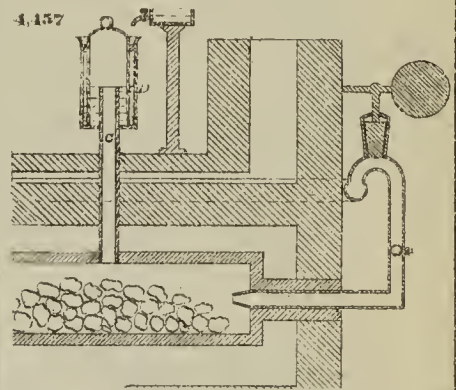
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GEORGE WOODS,
SADDLE-TREES.



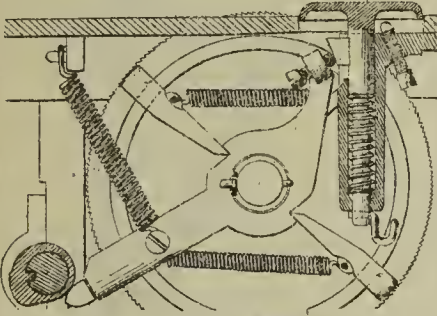
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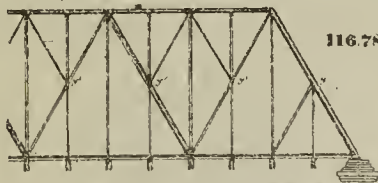


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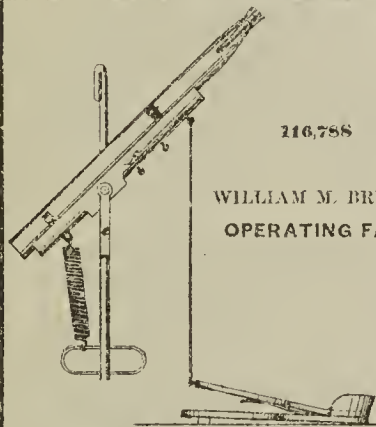
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116,779 SEWING-MACHINES.



ALBERT FINK, BRIDGE-TRUSSES.



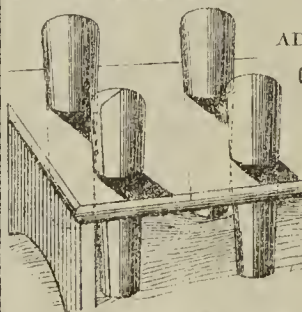
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GEORGE WETZLER,
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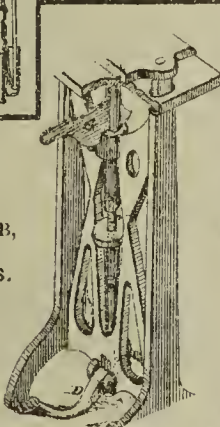
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BRUSH-STOCKS.



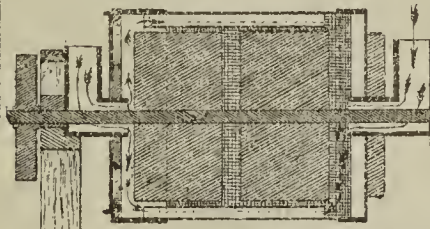
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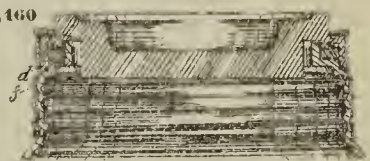


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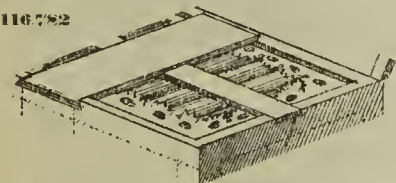


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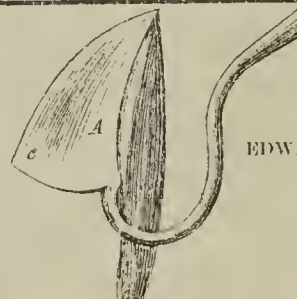
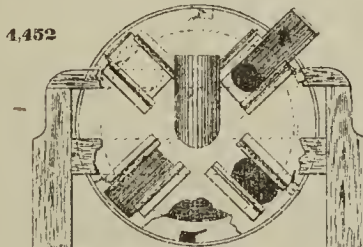
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THOMAS A. WILEY
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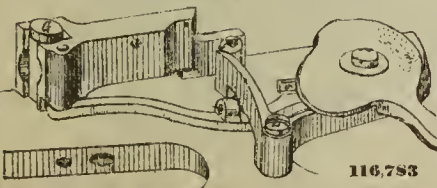
WILSON AGER,
4,152 DECORTICATING GRAIN.



EDWARD WARREN,
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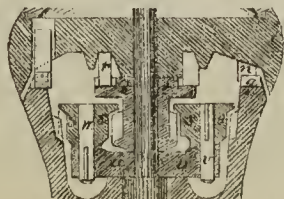
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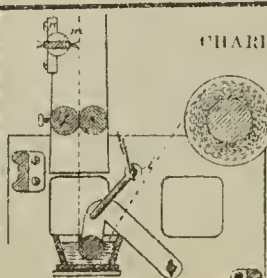
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4,153



CHARLES H. WATERS,

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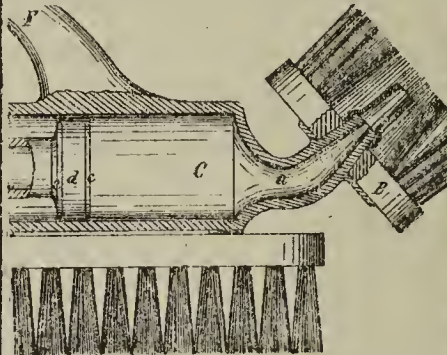
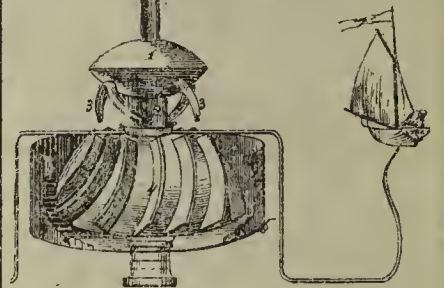
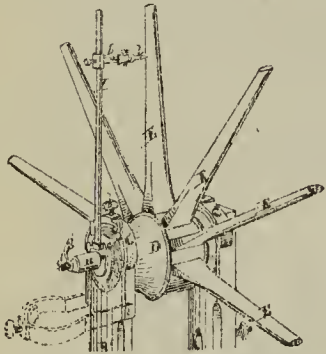
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ILLUSTRATIONS OF PATENTS

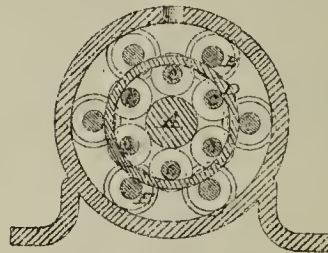
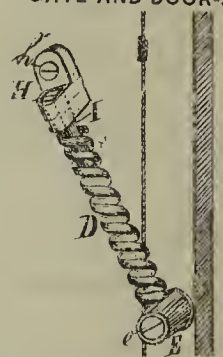
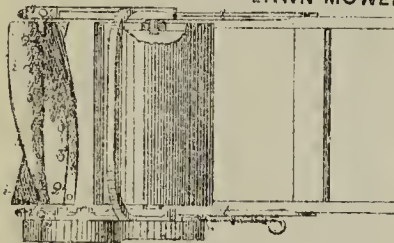
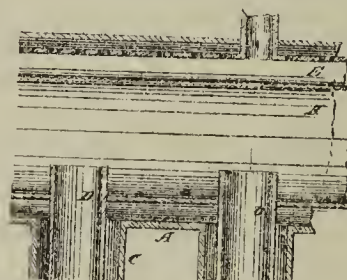
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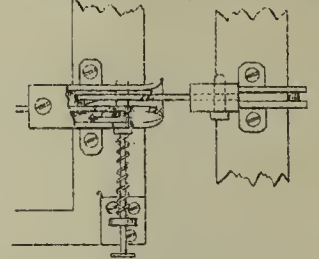
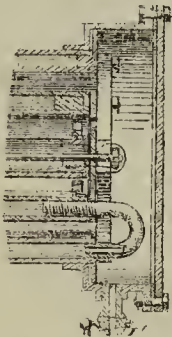
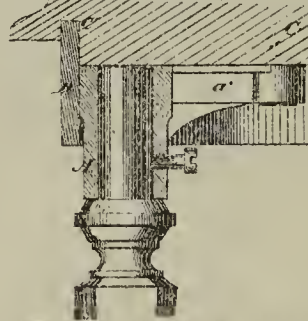
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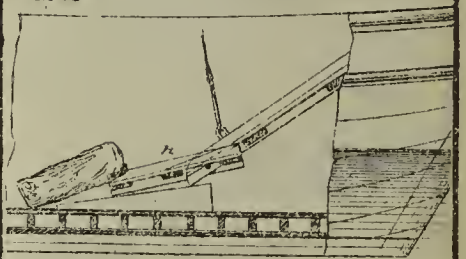
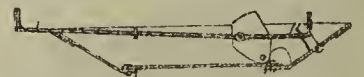
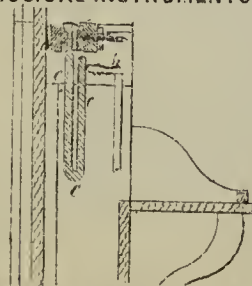
116.795 BUREAU C. BAKER JOURNAL-BOXES

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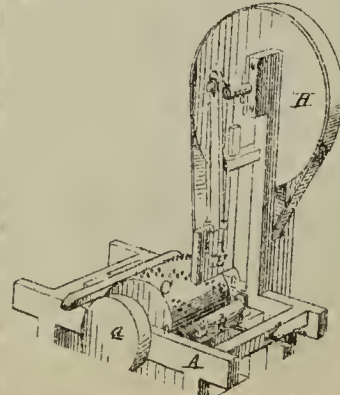
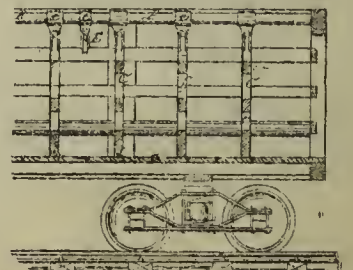
116.801 JACOB H. BULL, CAR-COUPPLINGS

116.792 JAMES ARGALL,
STEAM WATER-HEATERS116.797 DANIEL K. BARNHART,
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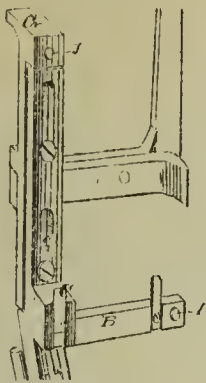
116.802 GILBERT BURHANS, ICE RUNS

116.803 FRANCIS G. BUTLER,
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MUSICAL INSTRUMENTS

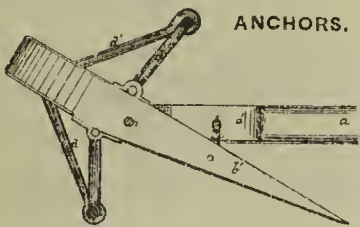
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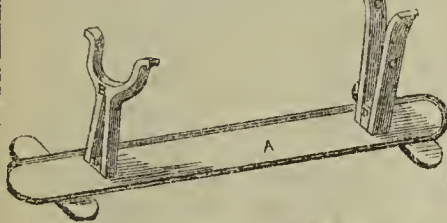
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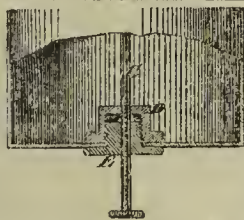
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ANCHORS.



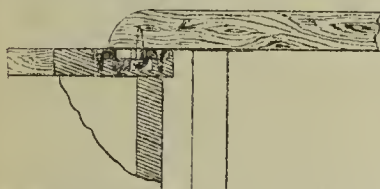
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KNIFE-AND-FORK RESTS.



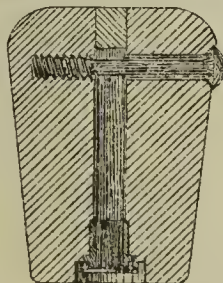
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SEWING-MACHINE TABLES.



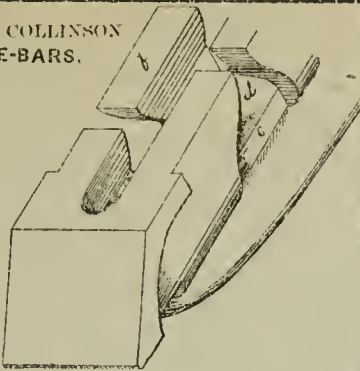
116810 BENJAMIN R. COLE VENT-BUNGS.



116811 COLLIGNON, COLLIGNON,
AND COLLIGNON,
FOLDING CHAIRS.



116812 HENRY COLLINSON
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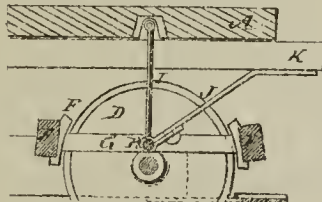


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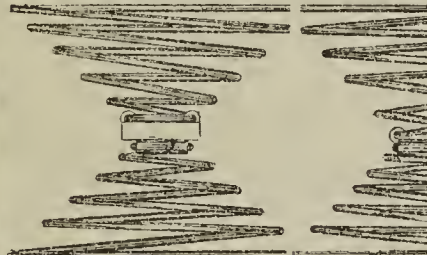


LEIGHTON O. COLVIN,
BABY-WALKERS.

116814 JOSEPH R. CRABILL
AUTOMATIC CAR-BRAKES.



116815 DELOS V. CRANDALL
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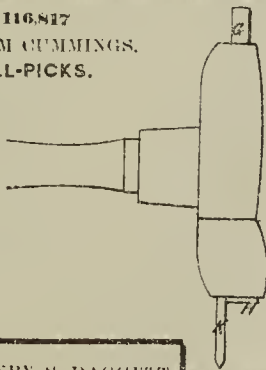


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JOININGS FOR WATCH-CHAINS.



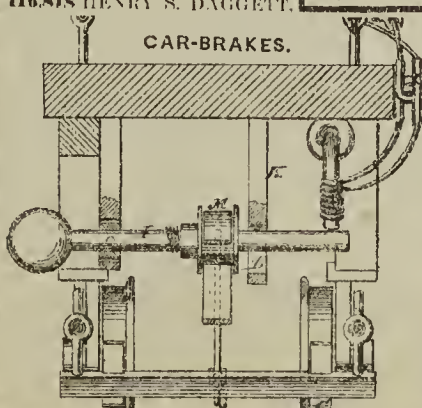
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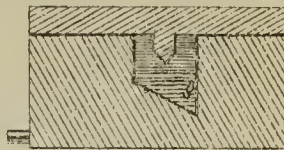


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CAR-BRAKES.



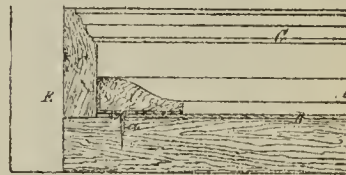
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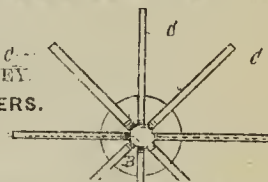
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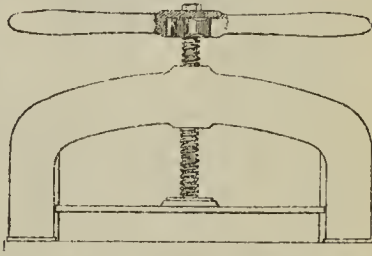
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HENRY W. ESKILDSON
CARPET-PROTECTORS.



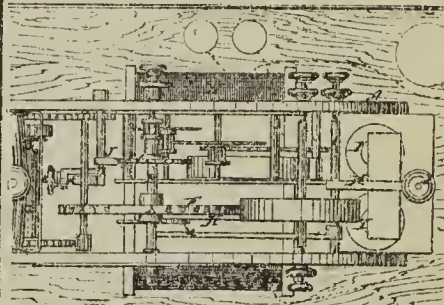
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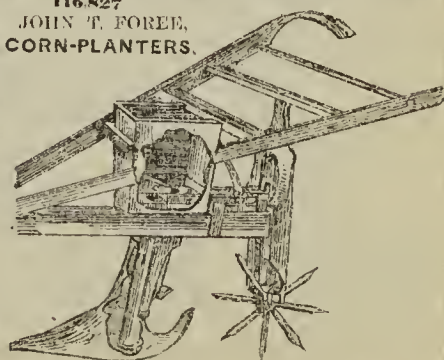
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COPYING-PRESSES.



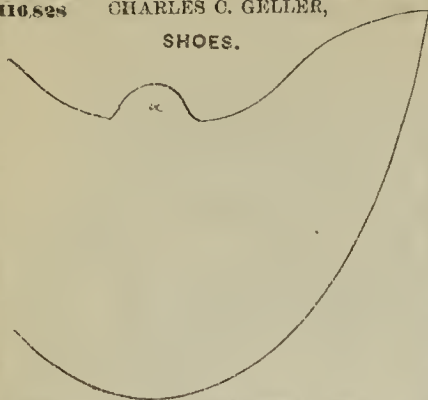
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PRINTING-TELEGRAPHS.



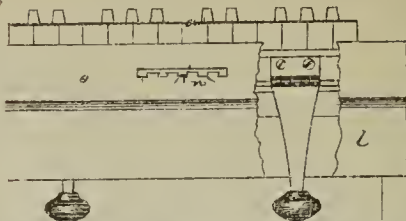
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CORN-PLANTERS.



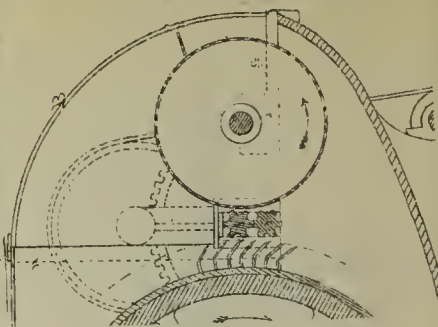
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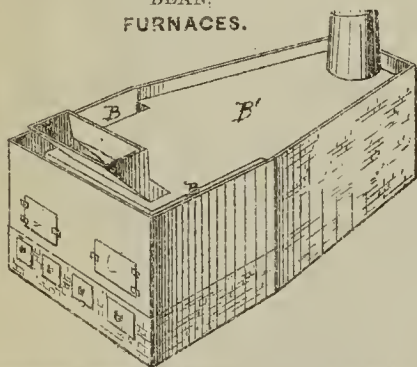
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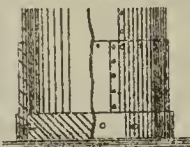
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WASTE-PICKERS.



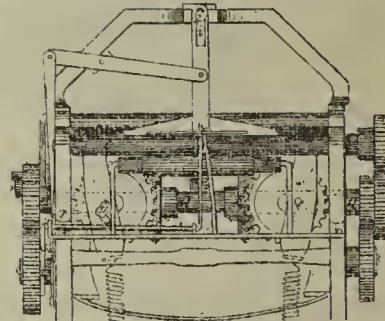
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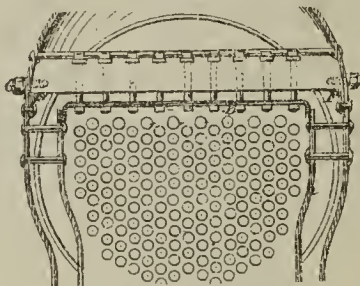
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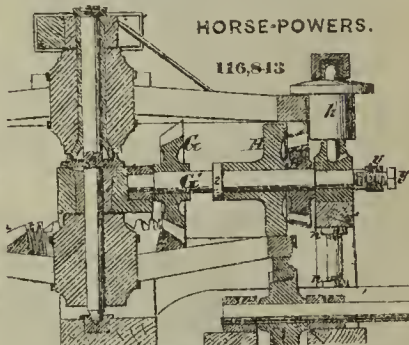
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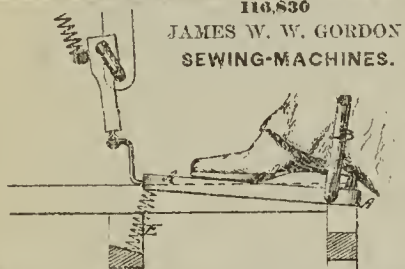
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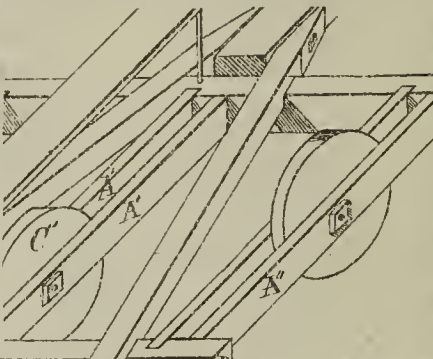
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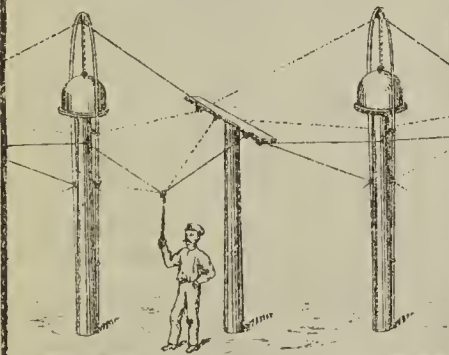
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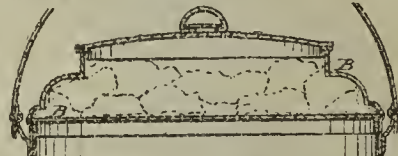
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CORN-GROUND MARKERS.



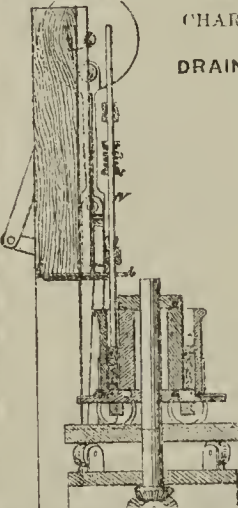
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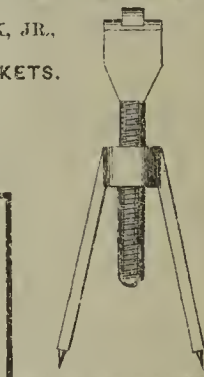
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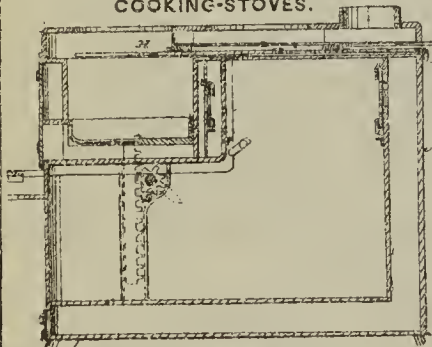
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116,839



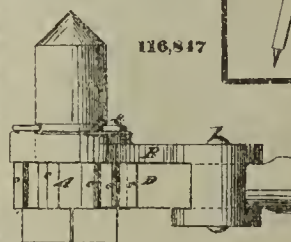
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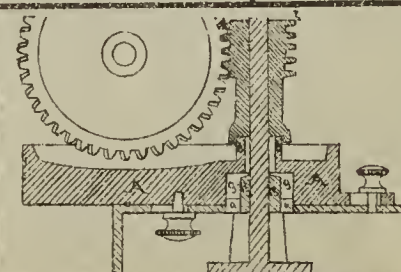
116,832 SETH GREGORY,
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JAMES W. MAHLON,
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116,833 DON C. HALL,
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116,848 JOSEPH P. MANTON,
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REUBEN A. McCaULEY,
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116,849



ISSUED JULY 11, 1871.

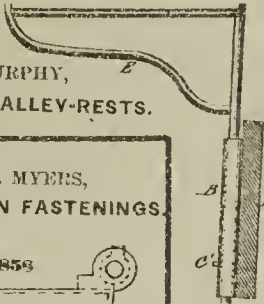
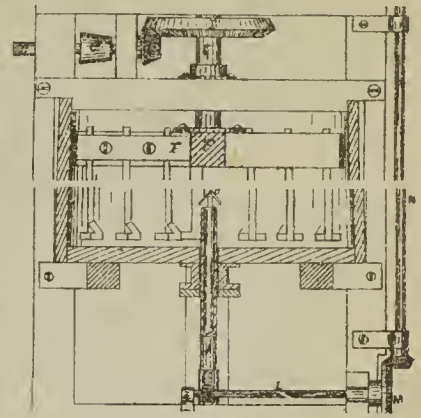
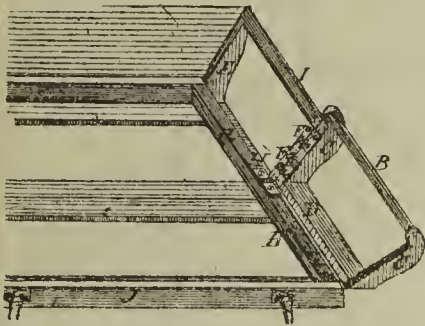
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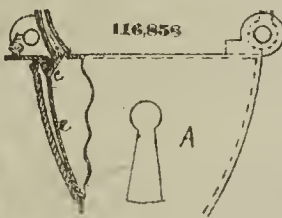
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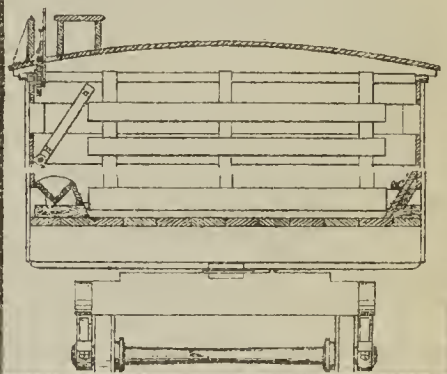
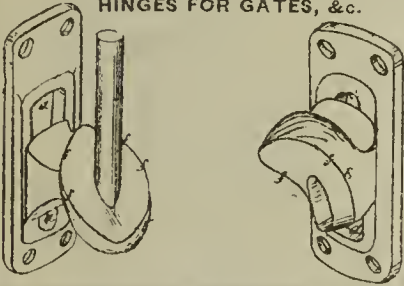
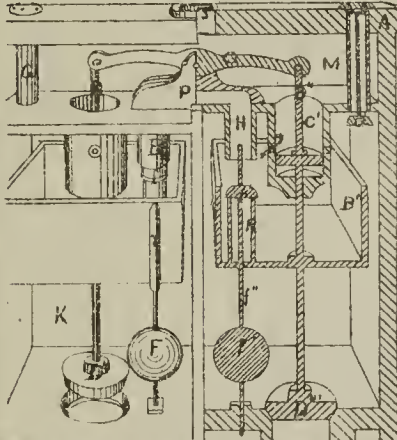
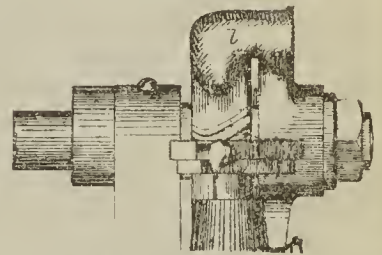
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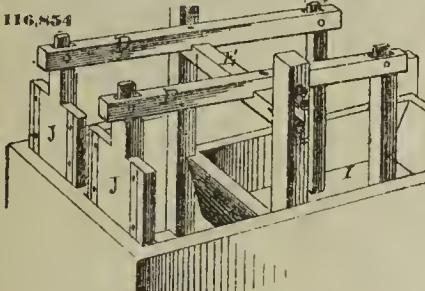
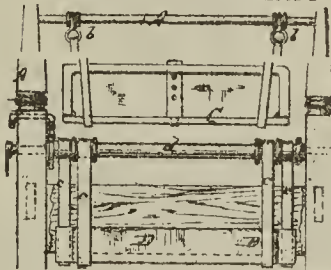
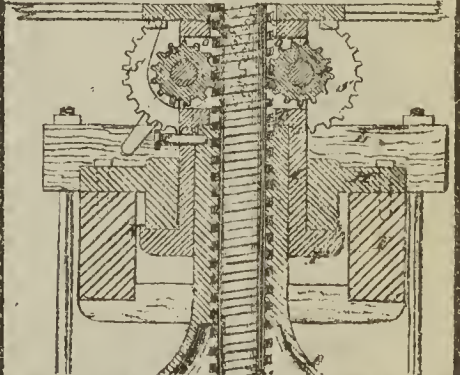
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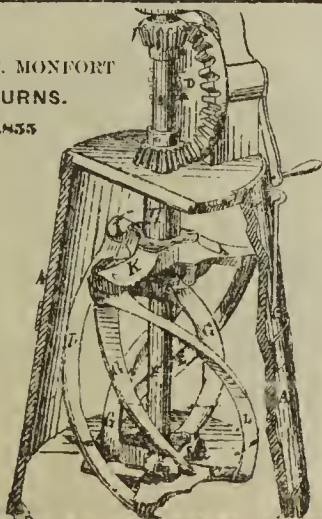
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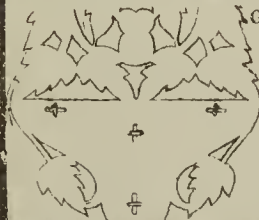
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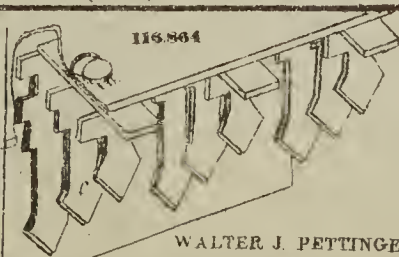
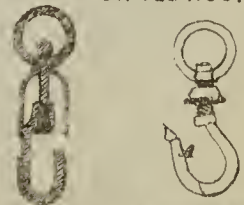
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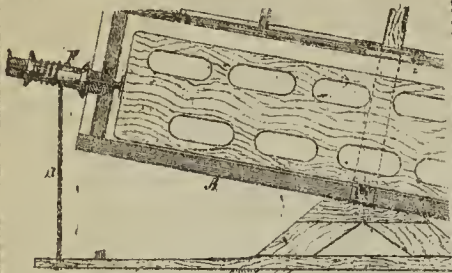


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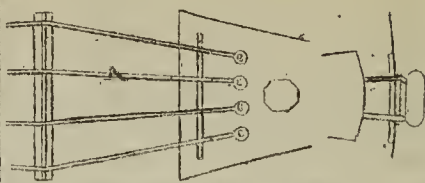
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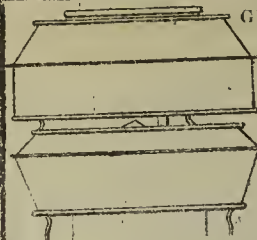


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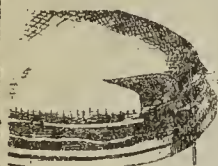
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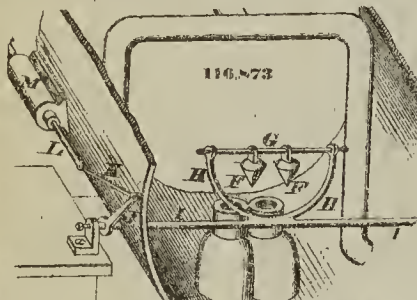
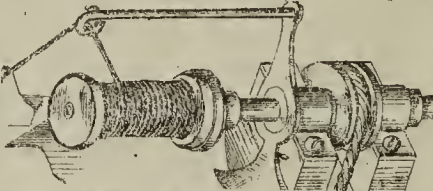
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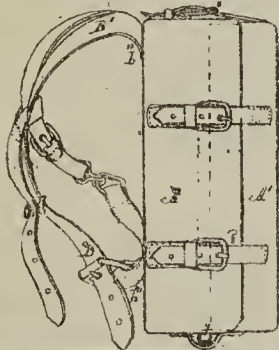
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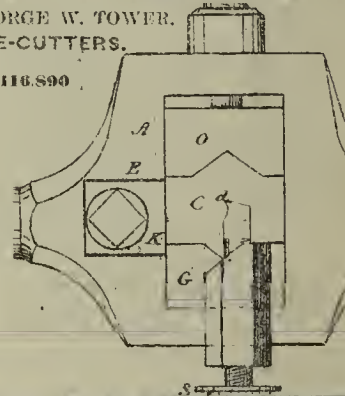


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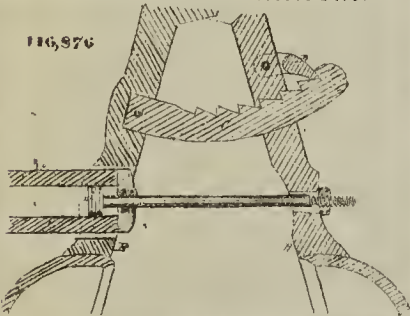
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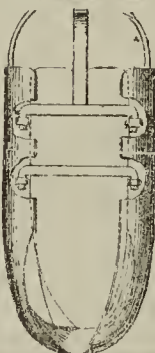
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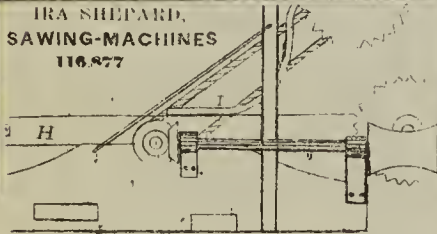
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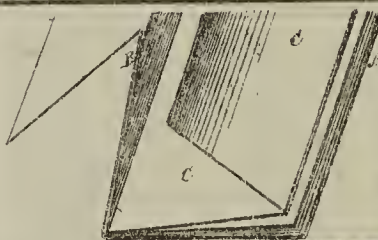
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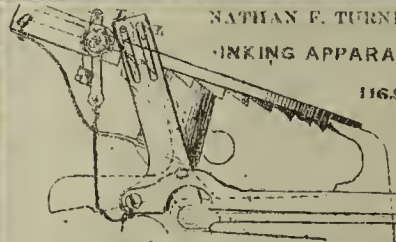
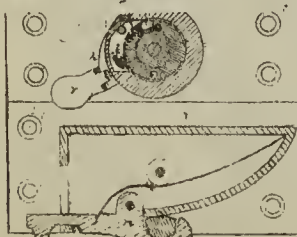
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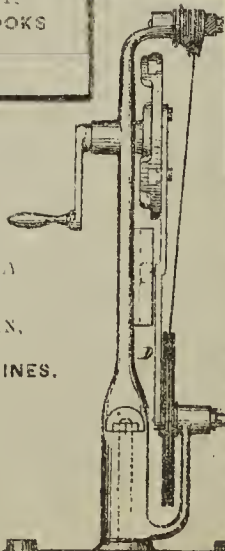
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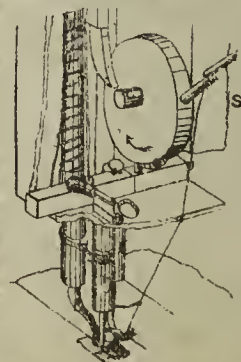
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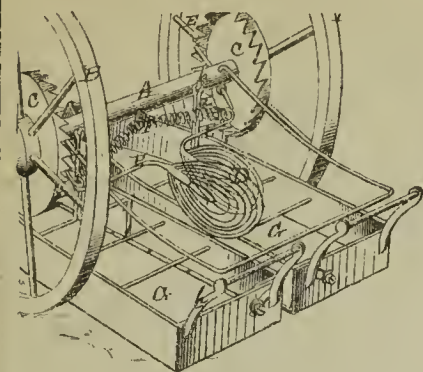


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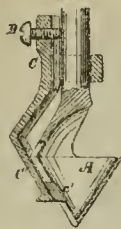
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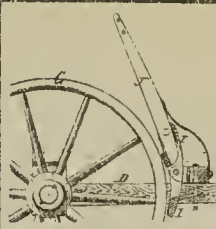
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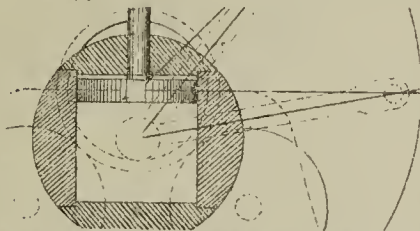


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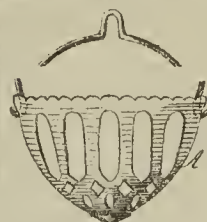


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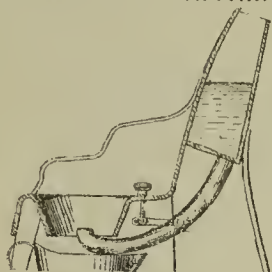


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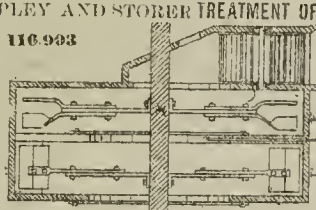
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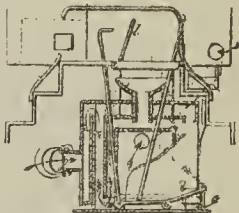
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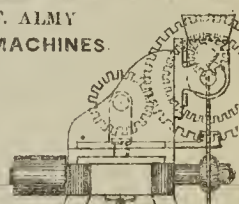


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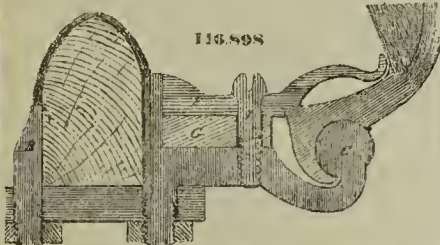


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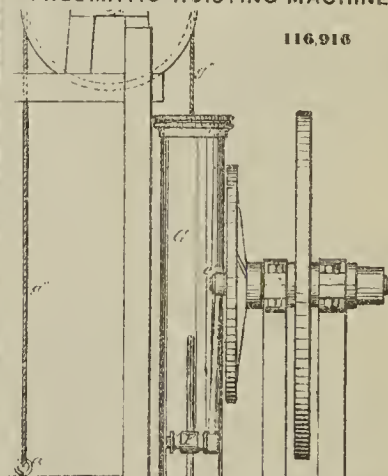
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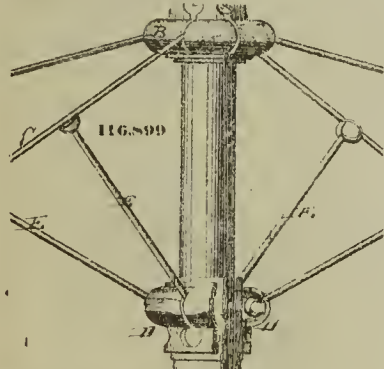
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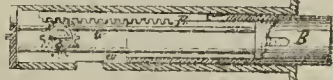


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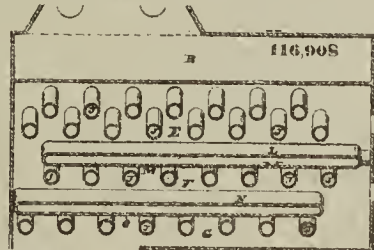


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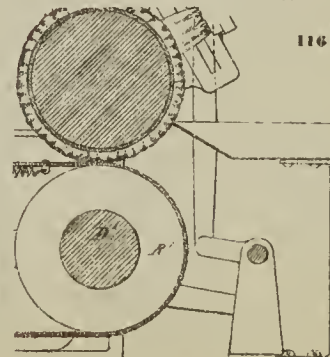
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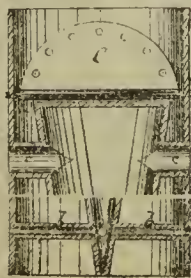
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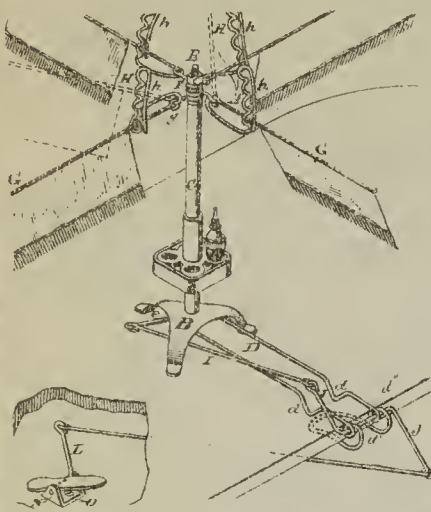
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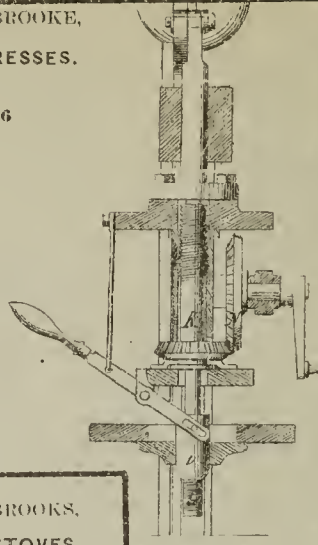
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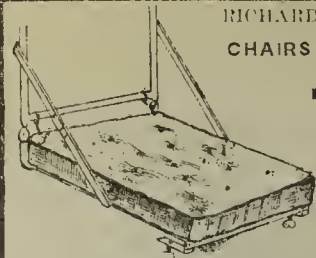


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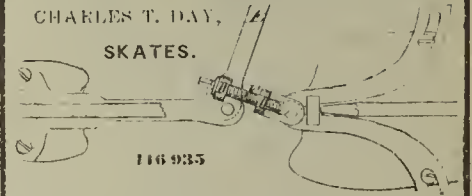
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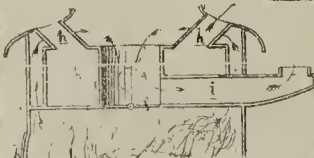
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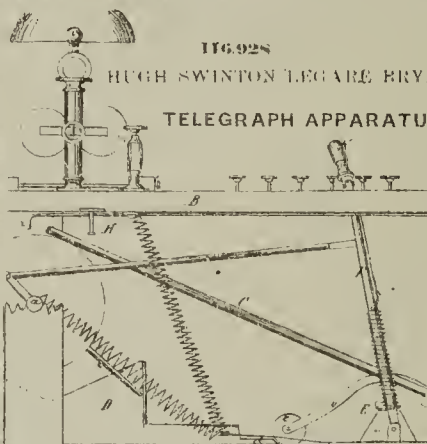
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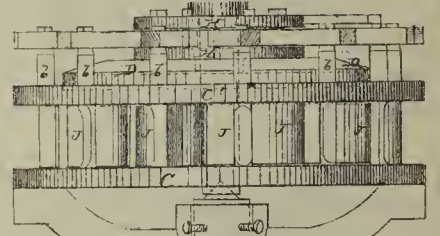
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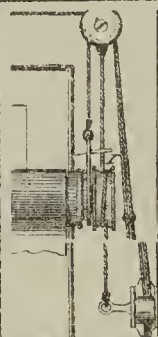
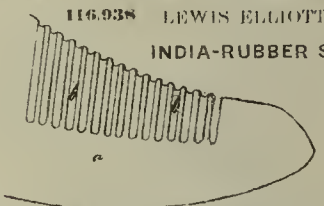
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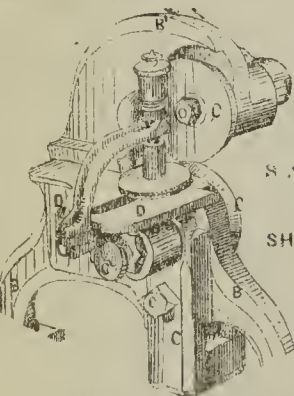
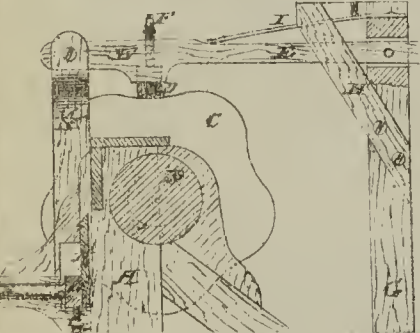
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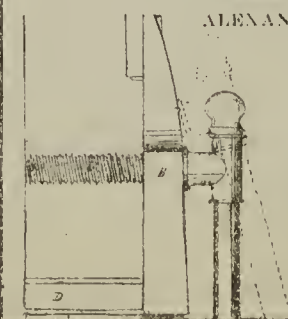
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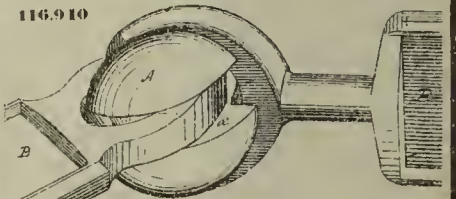
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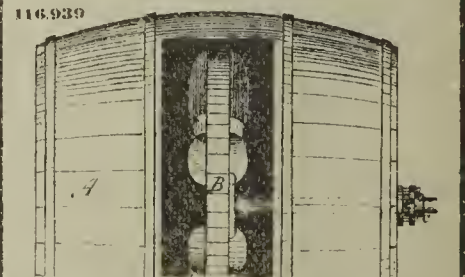
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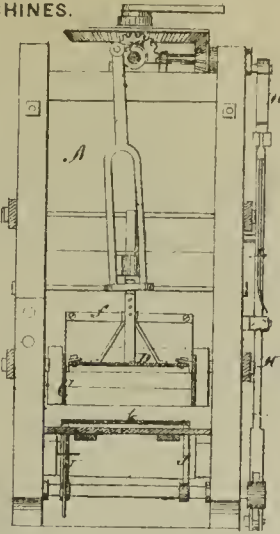
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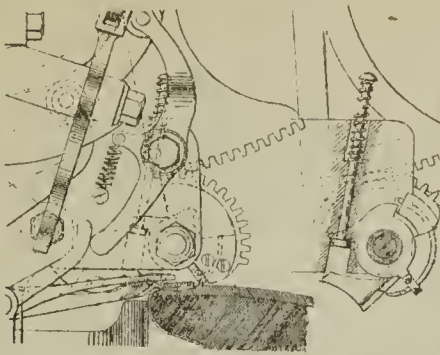


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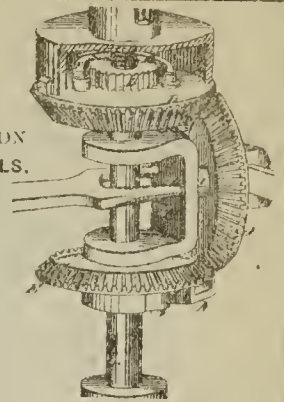


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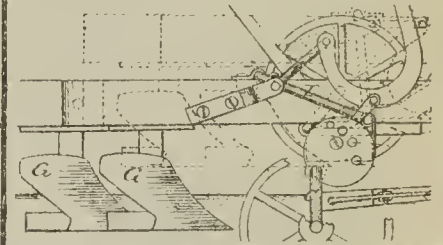
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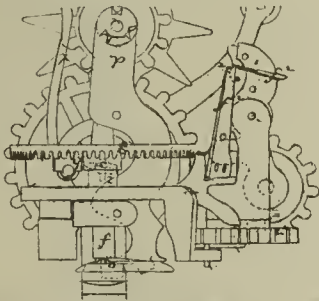
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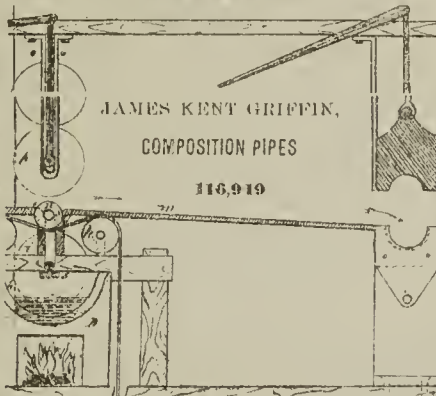


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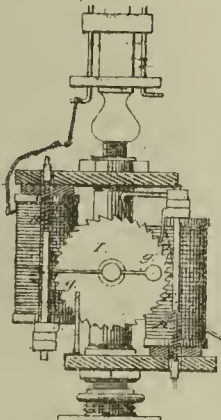


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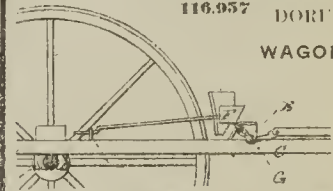
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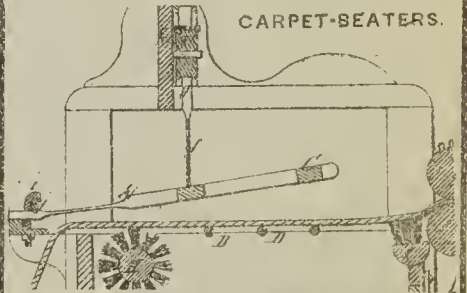
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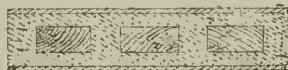
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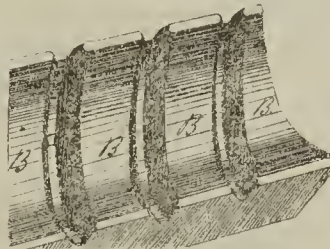
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116951 LOUIS A. GRILL,
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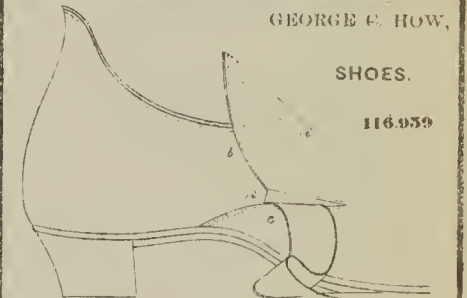
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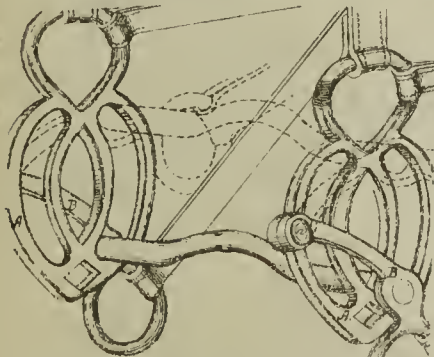
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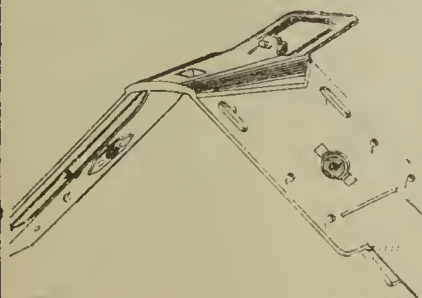
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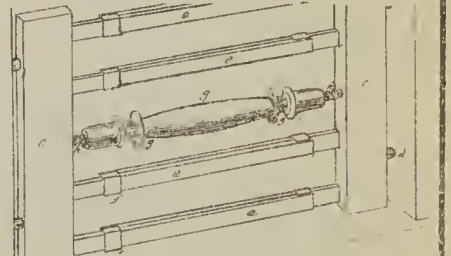
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116916 ALGERNON GILLIAM,
HARNESS-SADDLES.



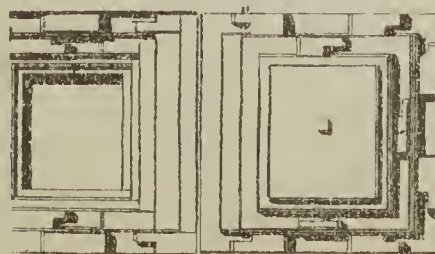
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CHILDREN'S NURSERY-GATES.



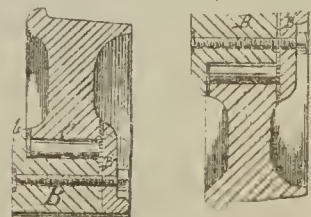
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REFLECTORS FOR LAMPS.



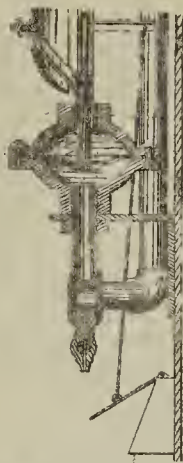
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BURGLAR-PROOF SAFES.



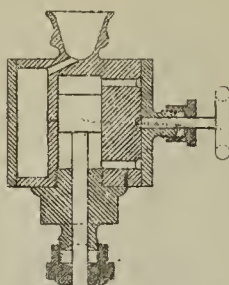
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116,962

ALBERT L. IDE,
DRAUGHT-REGULATORS.

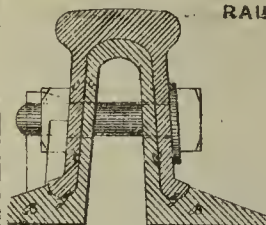
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STEAM-ENGINE GOVERNORS.

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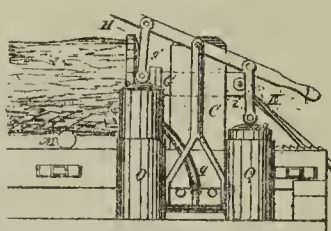
ISAAC MAYFIELD,
PLANT-PROTECTORS.

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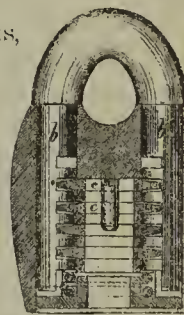
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RAILROAD RAILS.

116,969 FREDERICK LEAR,

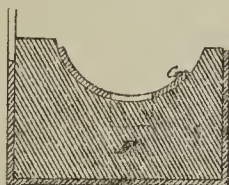
SEASONING WOOD.



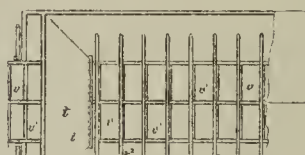
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PADLOCKS.

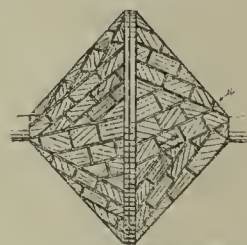
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JOHN HENRY JENNINGS,
THILL-COUPPLINGS.

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ROBERT GILMOUR LECKIE,
MANUFACTURE OF SALT.

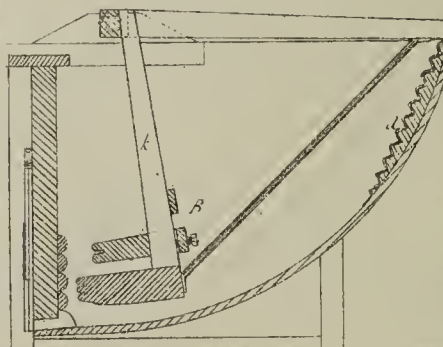
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HARRISON B. MEECH,
PAPER-PULP ENGINES.

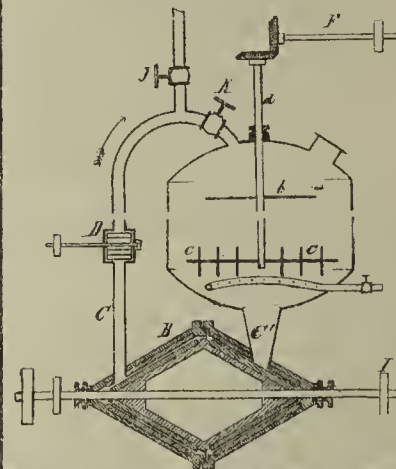
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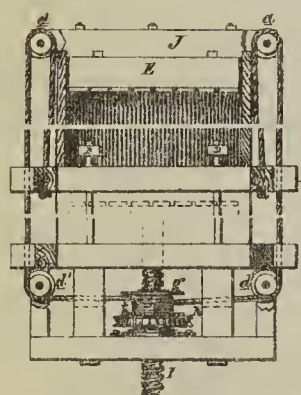
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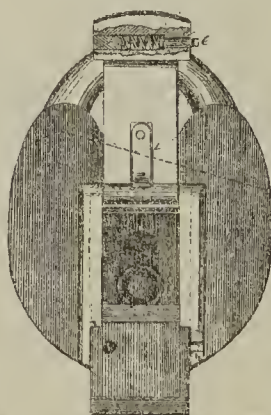
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HARRISON B. MEECH,
MANUFACTURE OF PAPER-PULP.

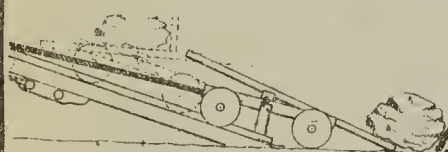
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DAVID KNOWLES,
HAY AND COTTON-PRESSES.

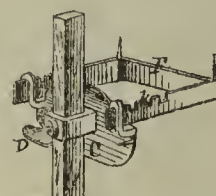
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OSCAR D. MADGE,
PADLOCKS.

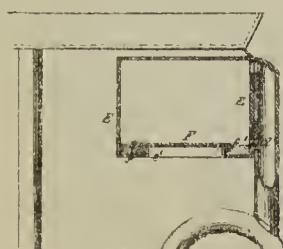
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SKIDS AND TRUCKS.

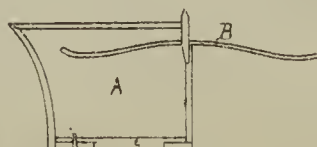
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CHARLES K. MITCHELL,
BAG-HOLDERS.

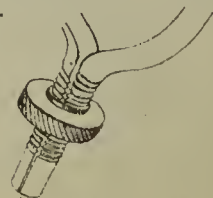
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SAMUEL LAWRENCE,
STENCH-TRAPS.

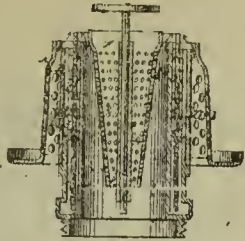
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AUSTIN S. MANN,
METALLIC HEELS.

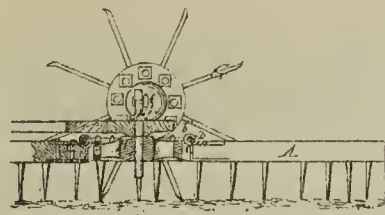
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JAMES L. MOORE,
WATCH-KEYS.

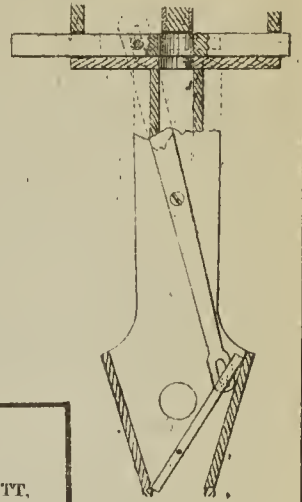
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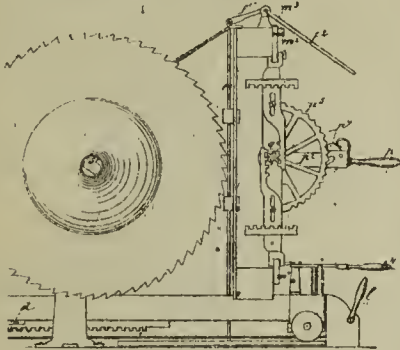
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ROTARY HARROWS.



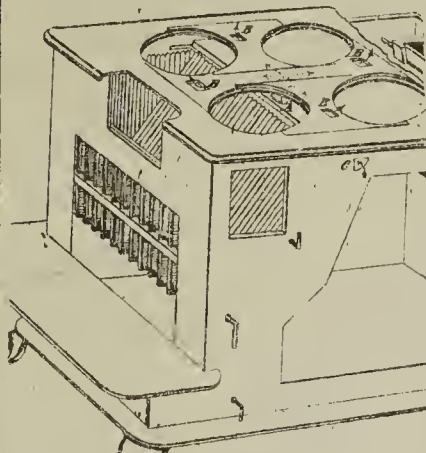
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SEED-TUBES FOR CORN-PLANTERS.



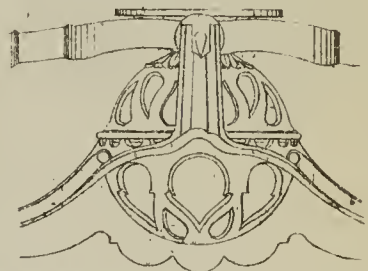
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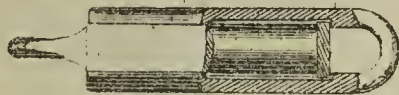
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COOKING-STOVES.



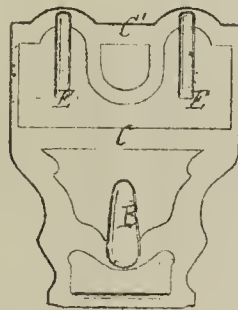
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WEIGHING-SCALES.



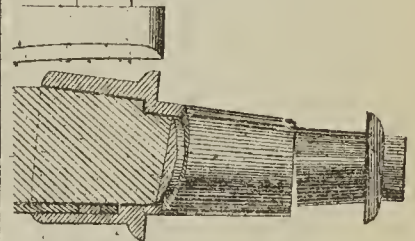
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ELASTIC CHAIN-LINKS.



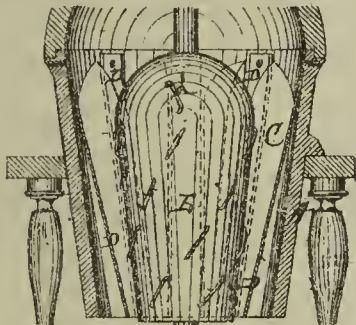
116.993 SAMUEL REYNOLDS,
BACKBAND-HOOKS FOR HARNESS.



117.000 ALBERT L. SHEARS,
THIMBLE-SKEINS.

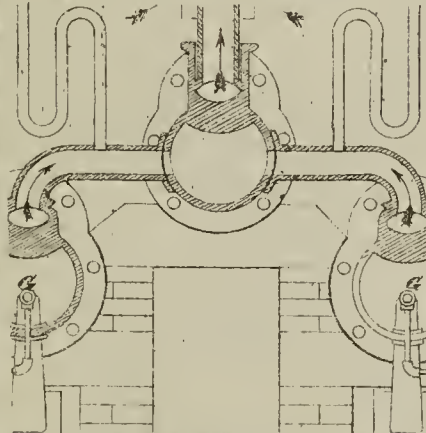


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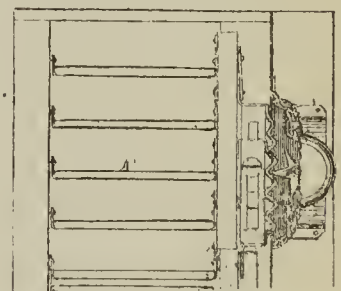


FREDERICK A. SABBATON,

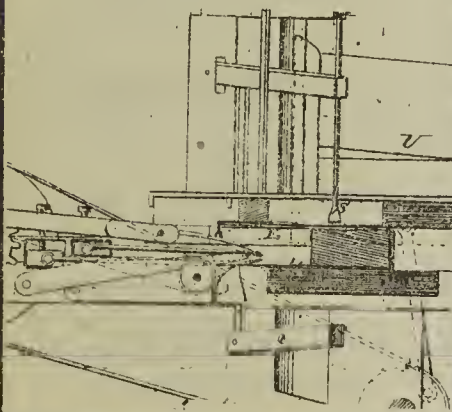
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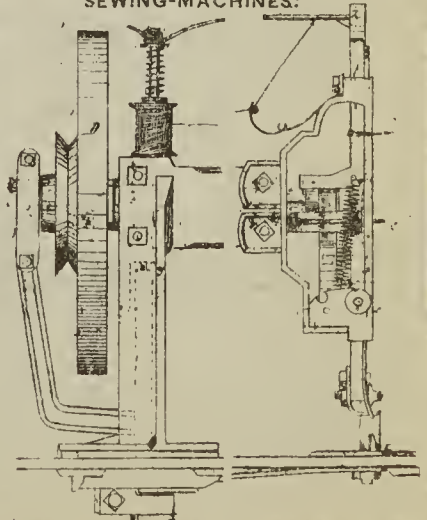
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WINDOW-BLINDS.



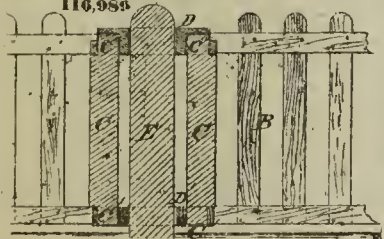
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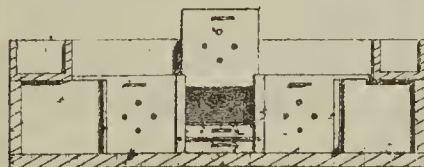
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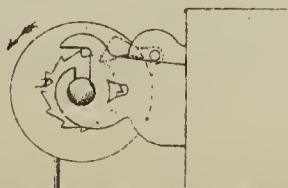
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RANDOLPH E. SABIN,
116.995 FISH-NURSERIES.

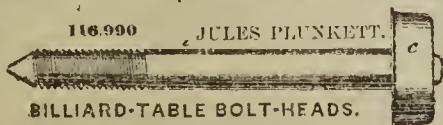


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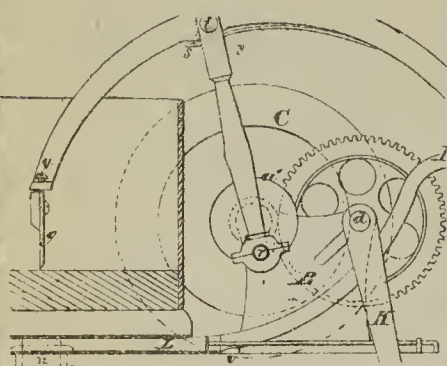
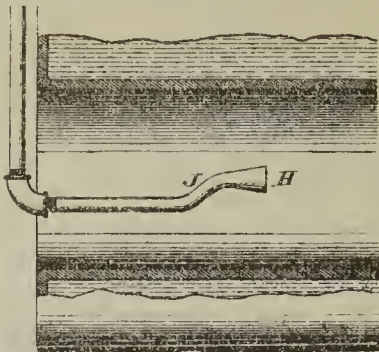
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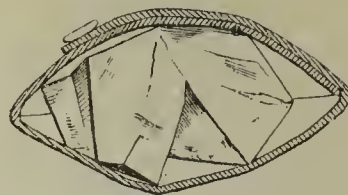
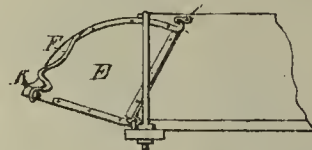
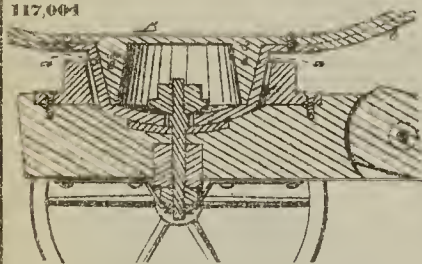
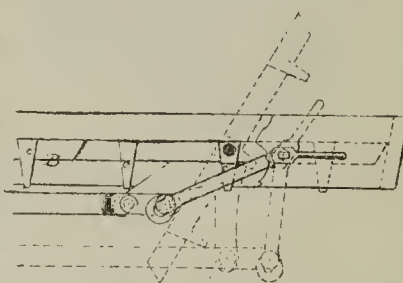
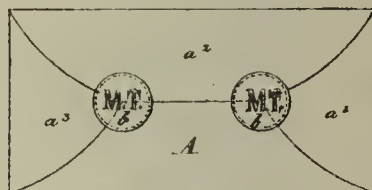
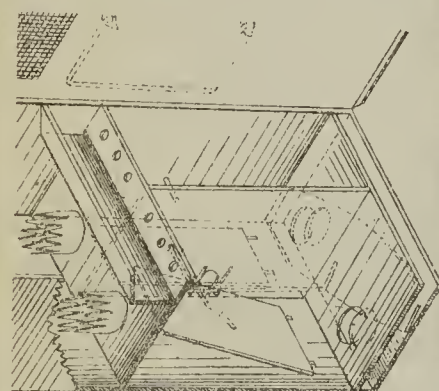
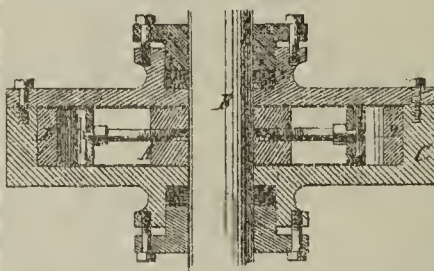
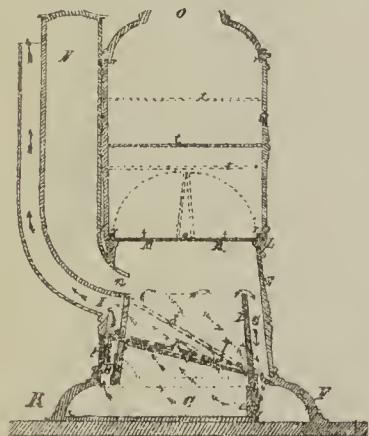
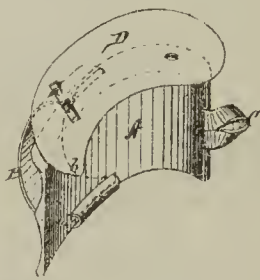
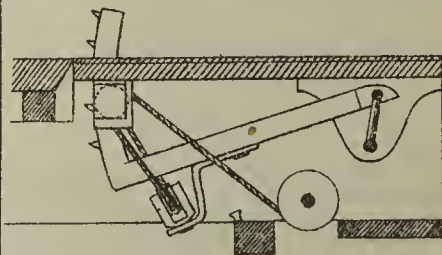
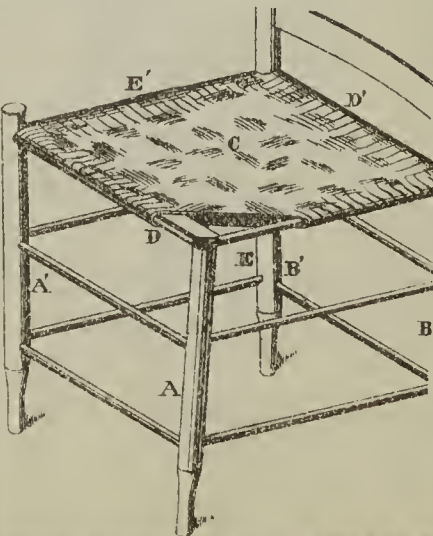
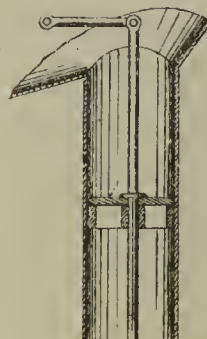
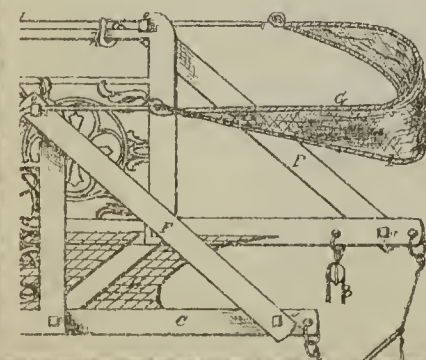
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VEGETABLE-CUTTERS.

117,008 CHARLES H. STEBBINS
STEAM-BOILER-FLUE CLEANERS.

SAMUEL STROOCK.

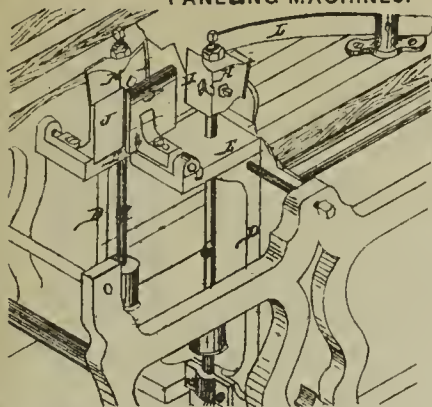
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117,014 JEREMIAH L. STROPES,
END-GATES FOR WAGONS.JACOB SKEEN, IN WAGONS.
117,004ELIJAH F. STEELE,
117,009 FURNACE-GRATES.117,015 MARTIN TAYLOR,
ENVELOPES.BARTON C. SMITH ANIMAL-TRAPS.
117,005JOSEPH STEGER,
117,010 FRICTION-PULLEYS.117,016 WILLIAM TERWILLIGER,
SAFE-DOORS.DAVID SMITH, BASE-BURNING STOVES.
117,006117,011 STENGEL, AND DAVEY,
CORN-HUSKERS.117,017 JOHN TORRENT,
MACHINES FOR ROLLING LOGS.VOLNEY STOCKTON,
117,012 KNOCK-DOWN CHAIRS.THOMAS JEFFERSON TRAPP,
117,018 DEEP-WELL PUMPS.SMITH AND BURROWS, FIRE-ESCAPES.
117,007

117.020

DWIGHT F. WALKER,

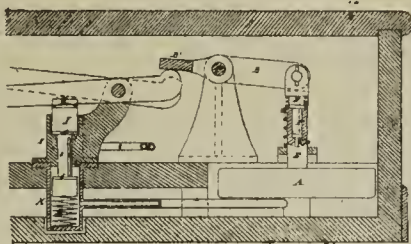
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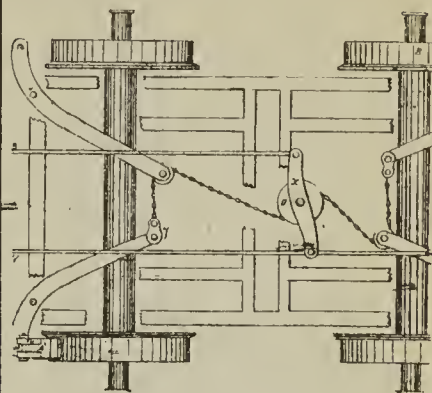
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PNEUMATIC TELEGRAPHS.

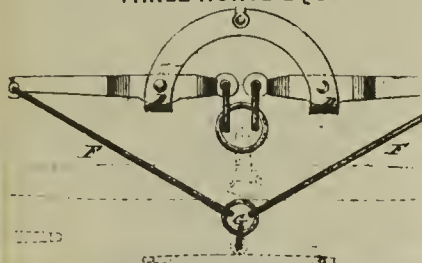
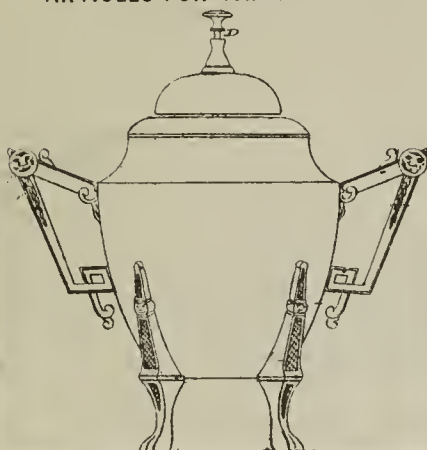
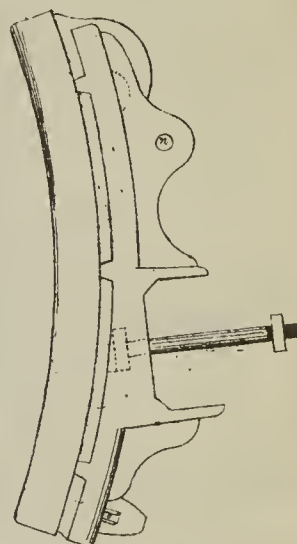


DUNHAM, AND WIDNEY,

4,465 CAR-BRAKES.



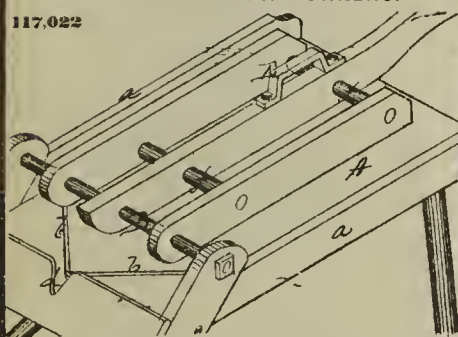
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LUTHER WARREN,
THREE-HORSE EQUALIZERS117.026 HORACE C. WILCOX,
ARTICLES FOR TABLE-SERVICE.DUNHAM, AND WIDNEY, 4,466
CAR-BRAKE SHOES.

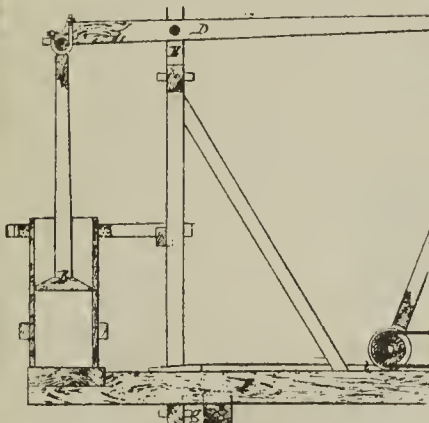
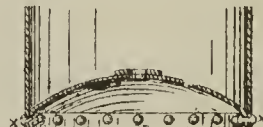
WILLIAM WEAVER,

BUTTER-WORKERS.

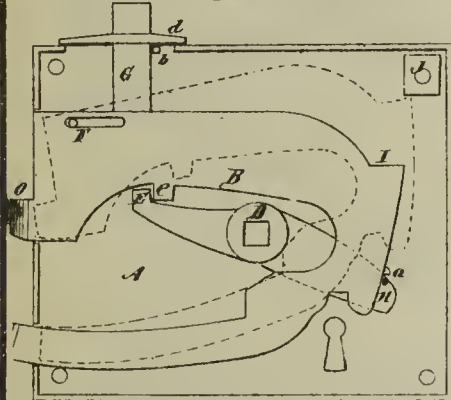
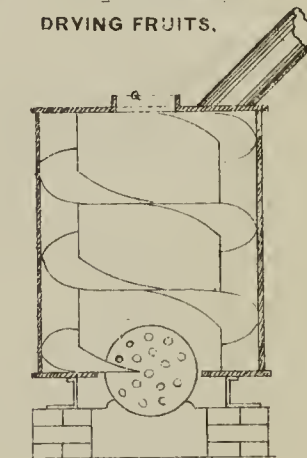
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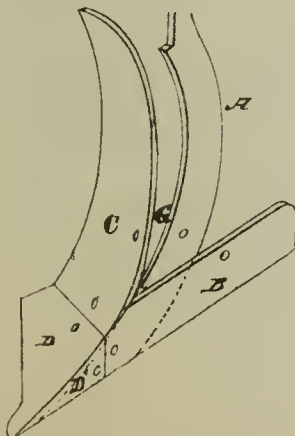
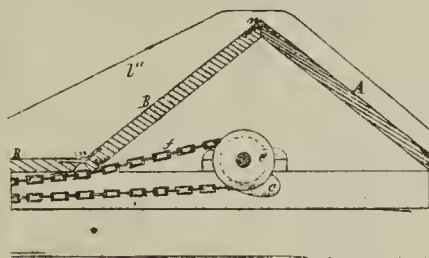
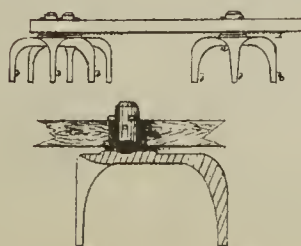
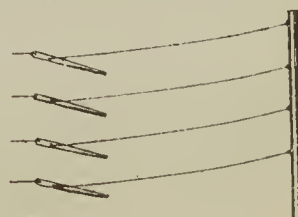
URIAH T. WILSON,
COTTON-PRESSES.4,467 WILLIAM B. SCAIFE,
BOILERS FOR RANGES, STOVES, &c.

117.023

SHEPHERD H. WHEELER,
KNOB-LATCHES AND LOCKS.1,468 FRANCIS H. SMITH,
DRYING FRUITS.

117.024

EDWARD WIARD, PLOWS.

117.028 JOHN A. WOOD,
ADJUSTABLE DAMS.1,464 JOHN F. CHASE,
HARROW-TEETH.4,469 THERON G. YEOMANS,
GRAPE AND VINE-TRELLISES.

117029

117048

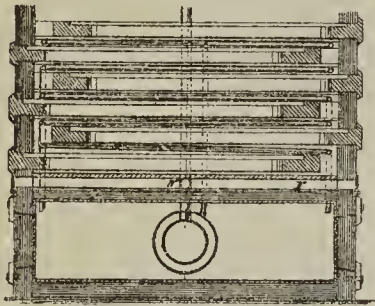
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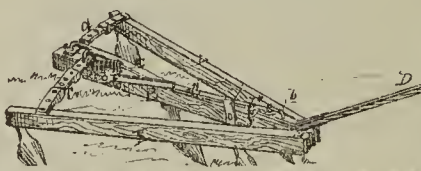
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JULY 18, 1871.

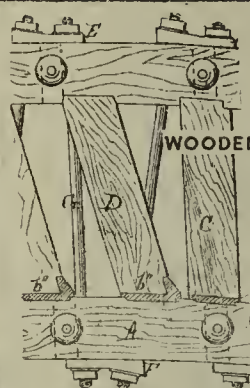
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JUDSON ALLEN,
FRUIT-DRIERS.

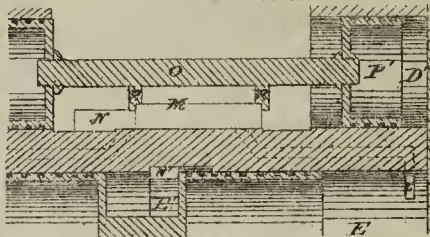
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PHINEAS ORLANDO BALDWIN,
CULTIVATORS.

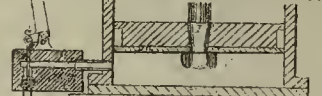
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JOSEPH BURKE,
WOODEN TRUSS-BRIDGES.

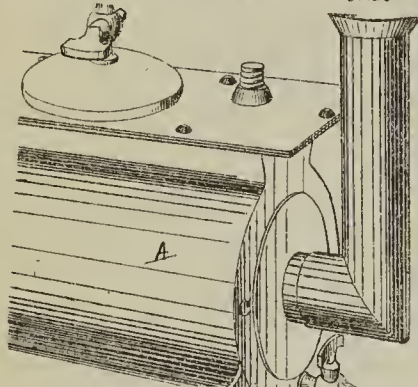
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JOHN S. BARDEN,
WATER-METERS.

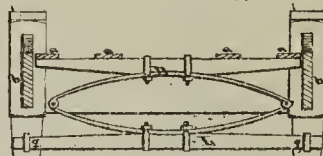
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JOHN T. BURR,
HYDROSTATIC PRESSES.

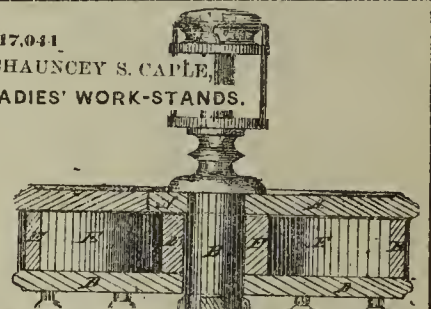
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ALBERT J. ANDREWS,
EVAPORATORS FOR CONCENTRATING LIQUIDS

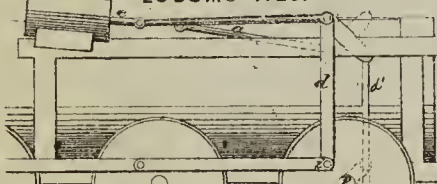
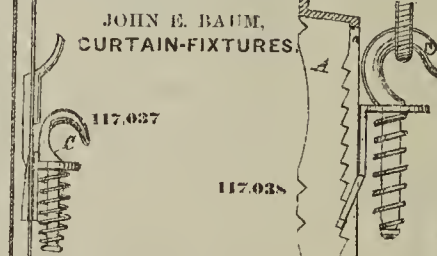
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BENJAMIN BARSTOW,
SPRING-BEDS.

117.041

CHAUNCEY S. CAPLE,
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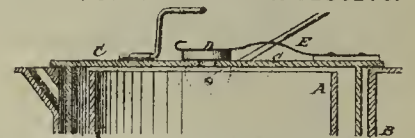
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CURTAIN-FIXTURES.

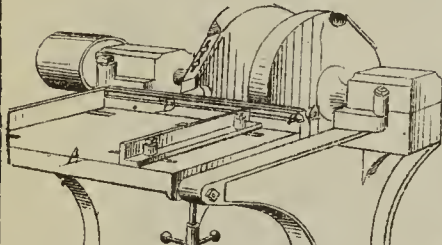
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117.038

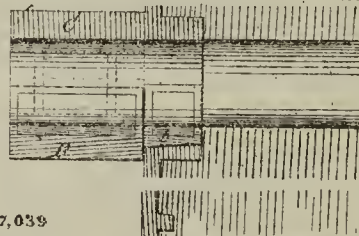
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PORTABLE WATER-CLOSETS.

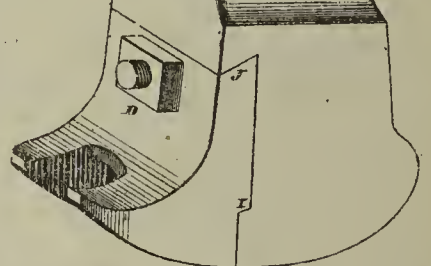
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RELISHING-MACHINES.

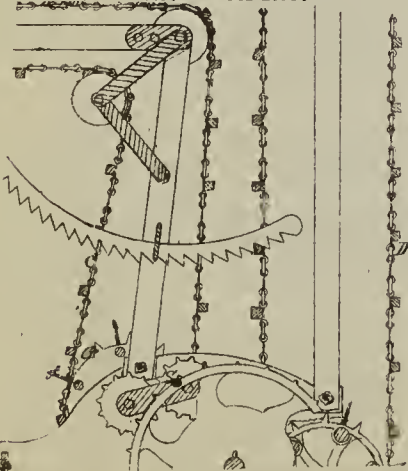
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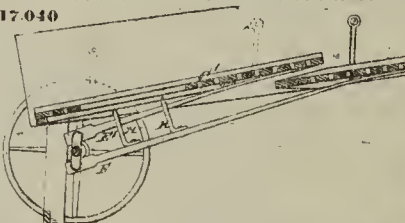
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DAVID CHRISTIE,
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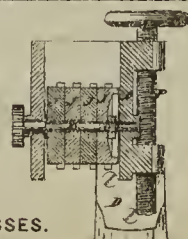
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HORACE BAKER,
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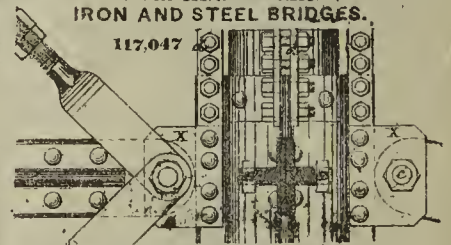
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WILLIAM H. AND PETER BOTT,
GRAIN-AND-STRAW SHAKERS.

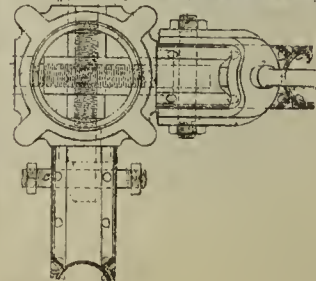
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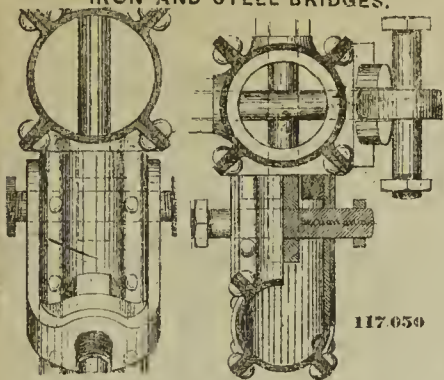
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SIDER-MILLS AND PRESSES.CLARKE AND BONZANO,
IRON AND STEEL BRIDGES.

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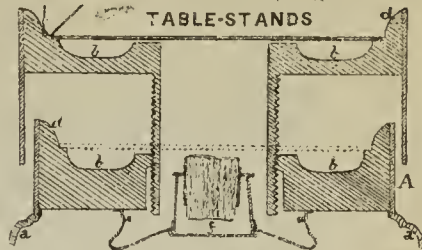
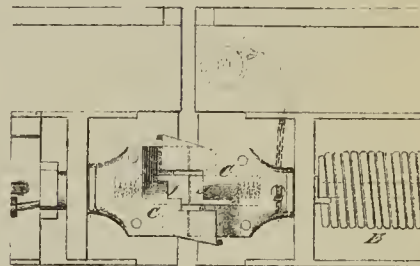
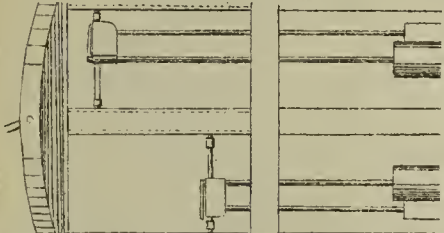


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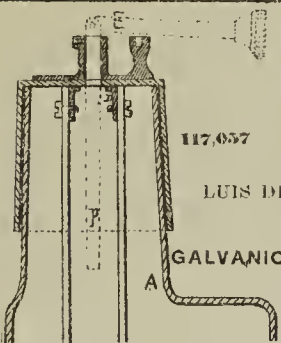


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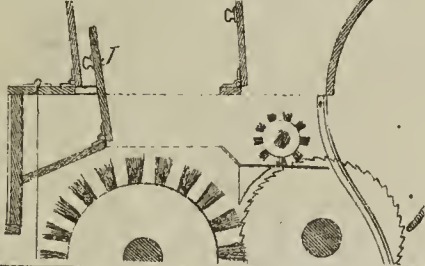
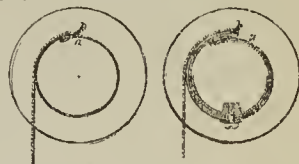
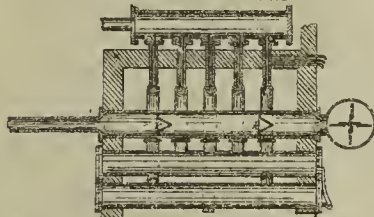
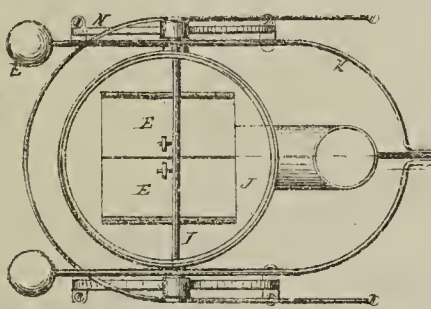
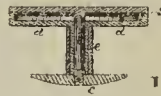
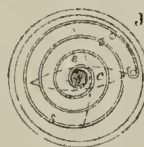
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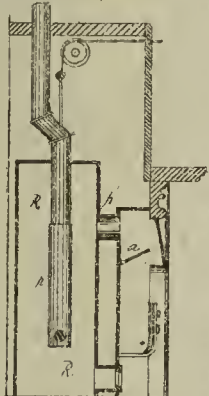
117,058 JOHN DU BOIS, COTTON-GINS.

117,068 WILLIAM GORTON,
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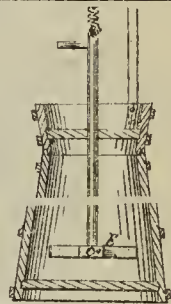
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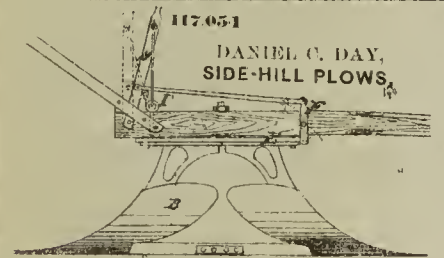
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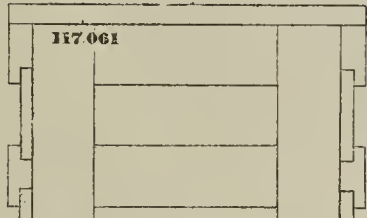
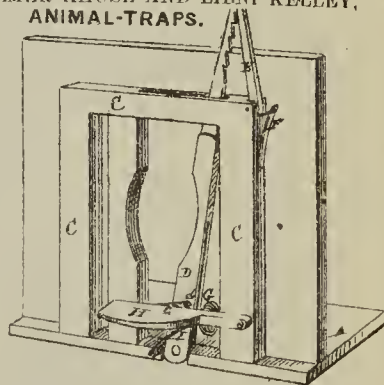
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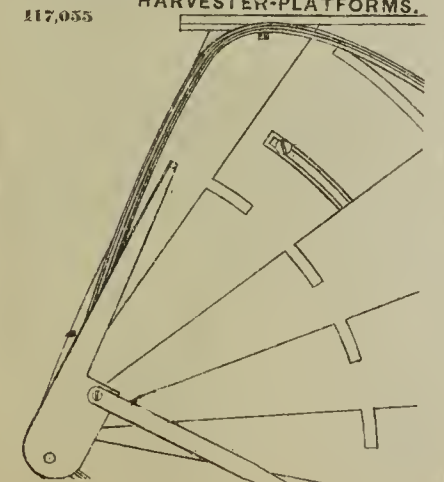
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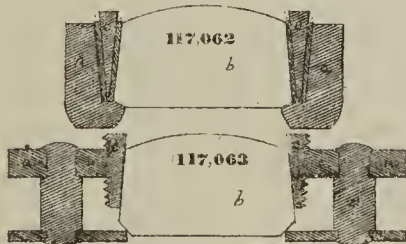
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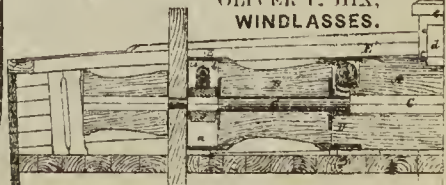
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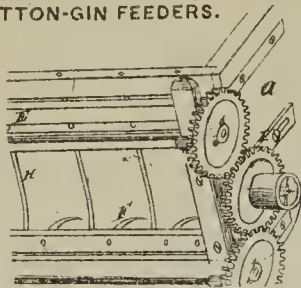
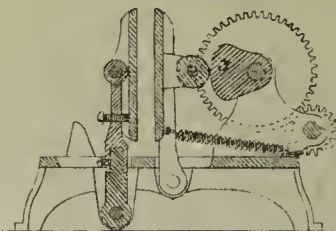
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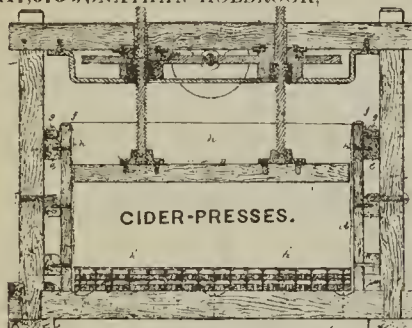
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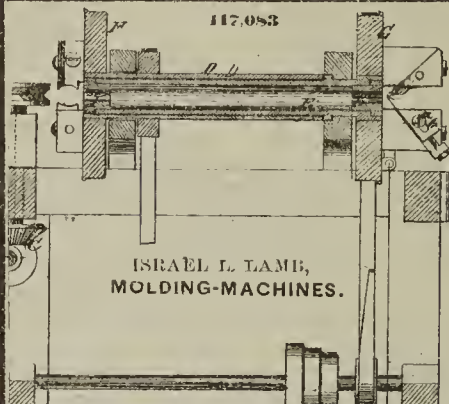
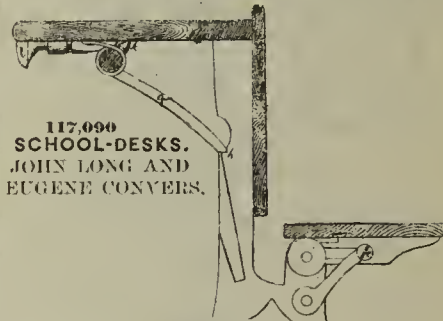
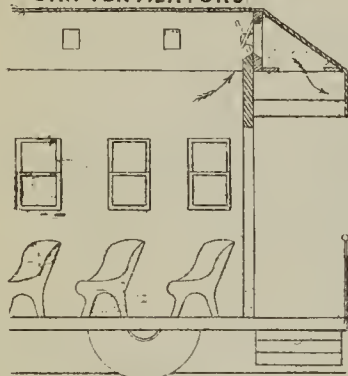
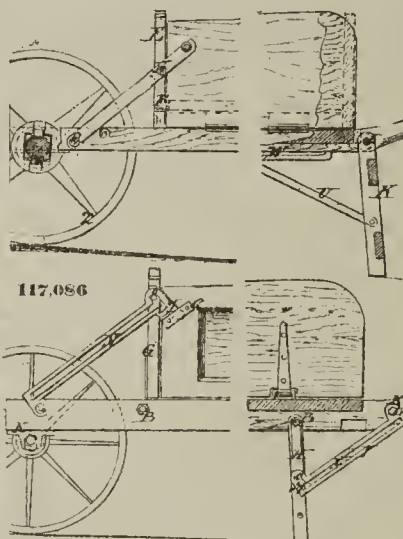
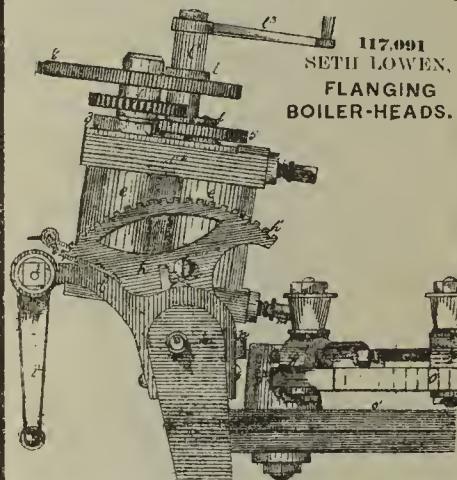
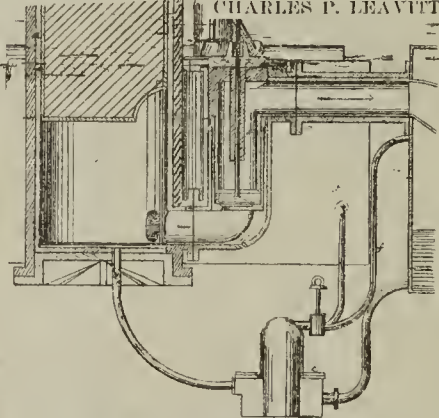
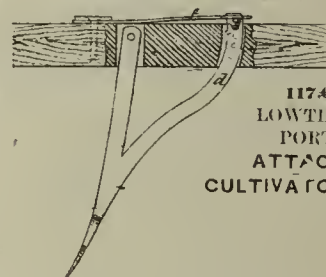
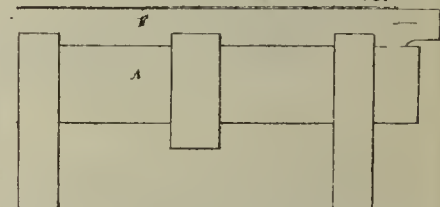
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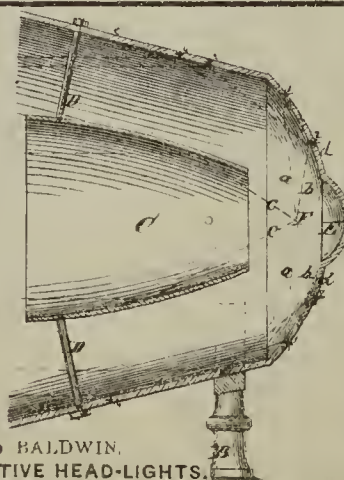
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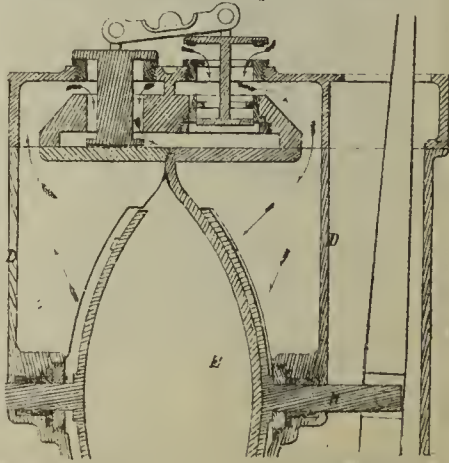
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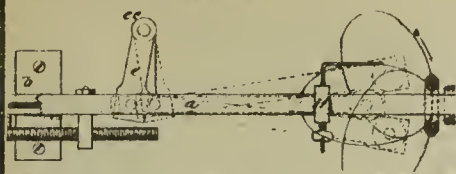
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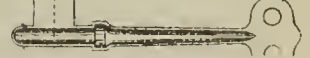
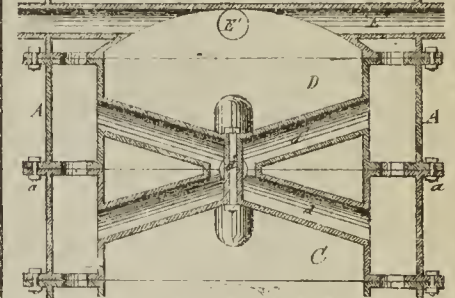
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117,100 WILLIAM A. MORSE,

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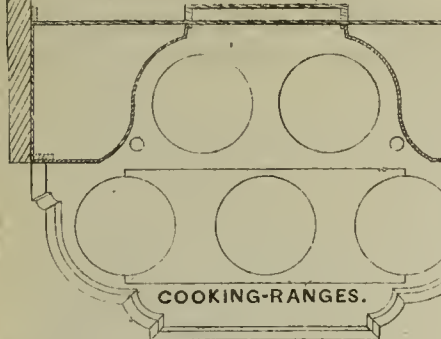
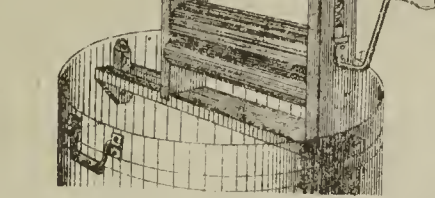


BUTTON-HOLE CUTTERS.

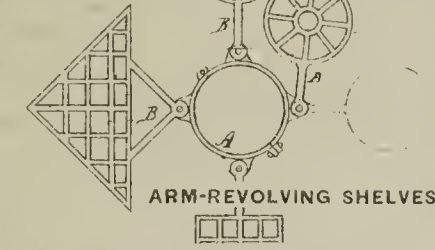
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117,104 NELSON G. NORTHUP, ROOFS.

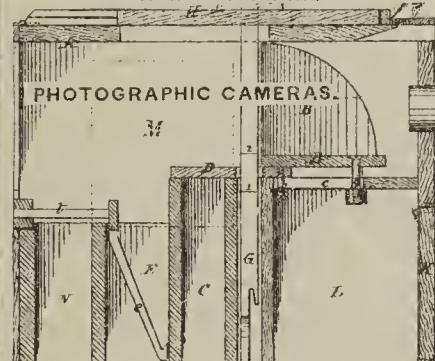


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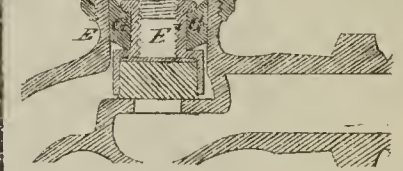
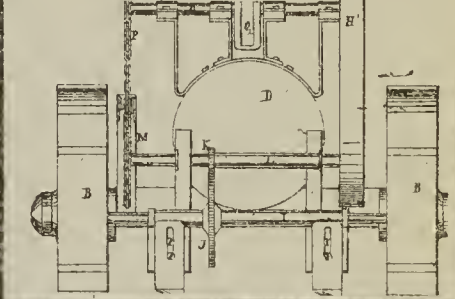
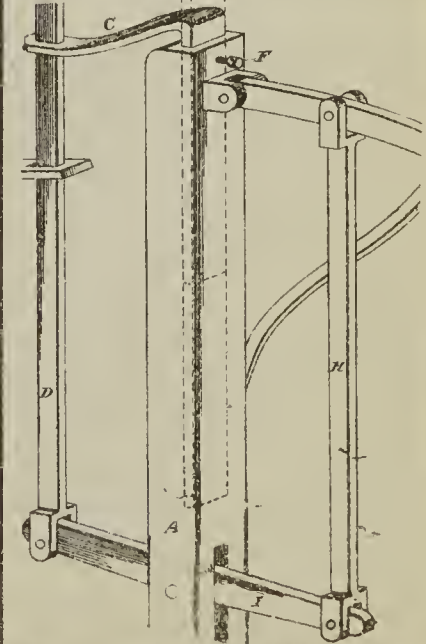
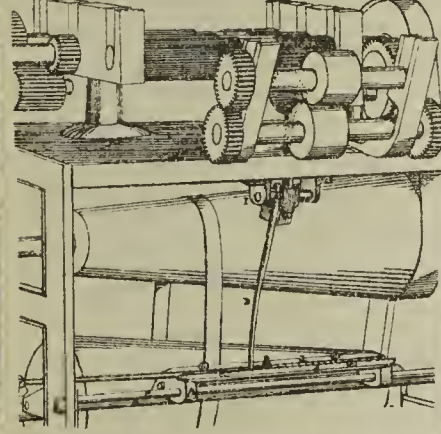
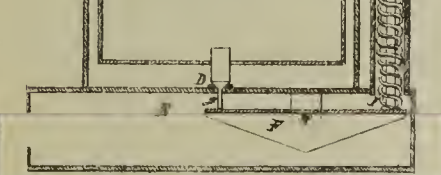
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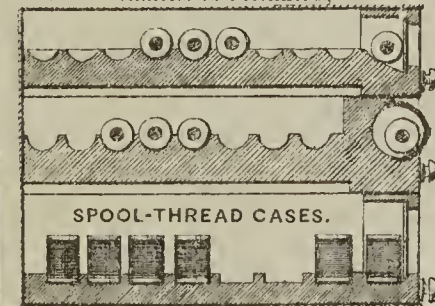
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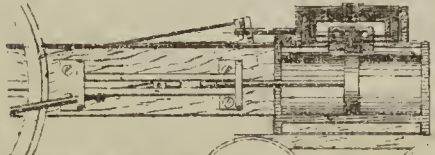
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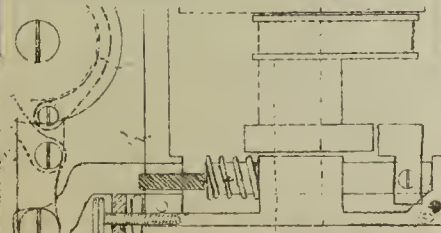


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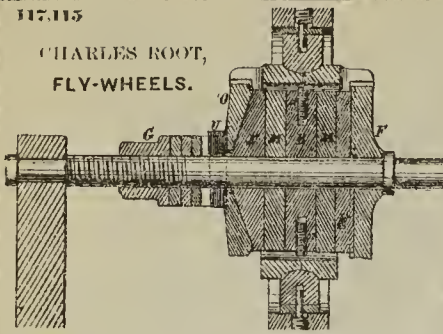
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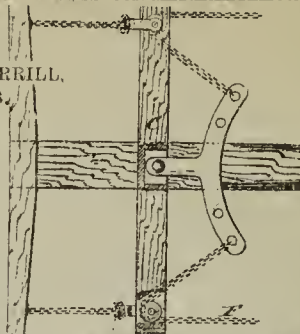
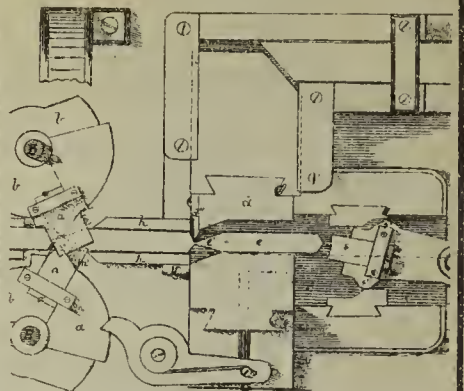
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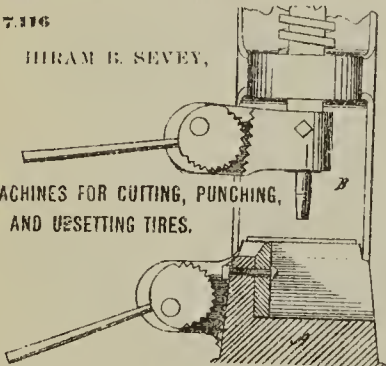
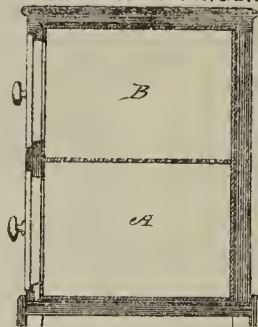
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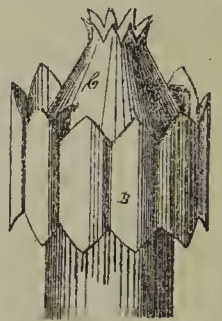
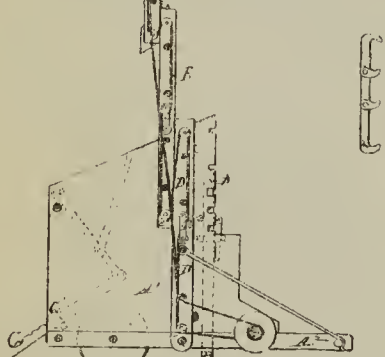
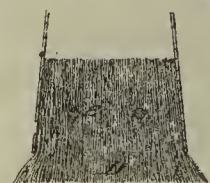
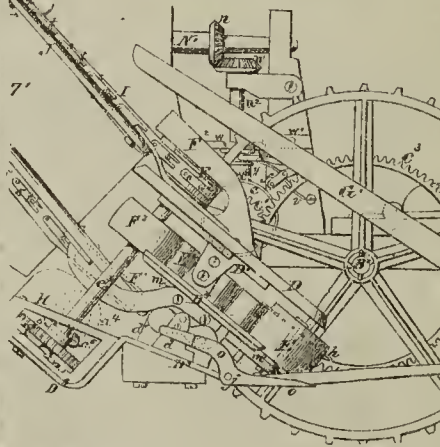
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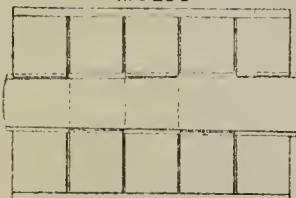
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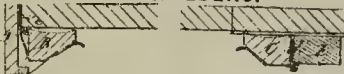
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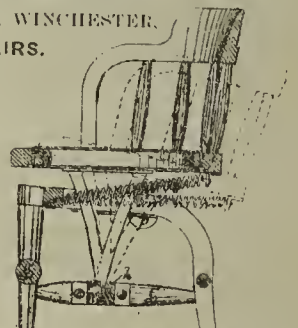
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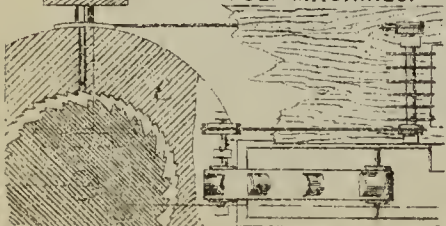
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GEORGE C. WINCHESTER,
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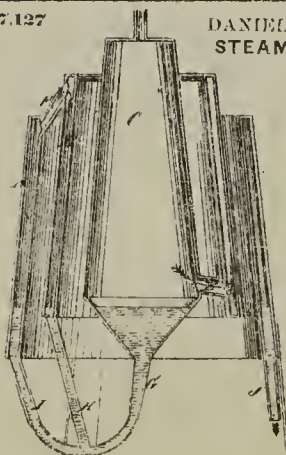
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LEO CHARLY STRAUER,
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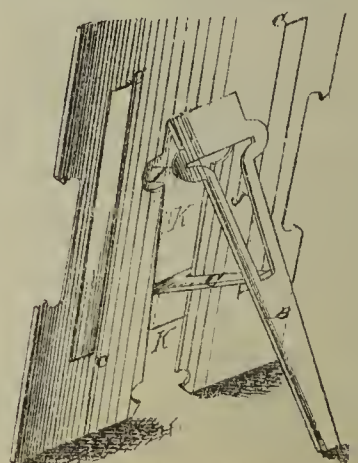
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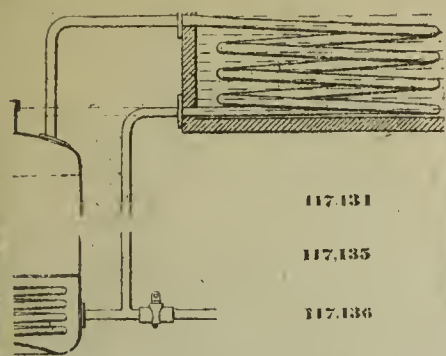
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DANIEL VAUGHAN,
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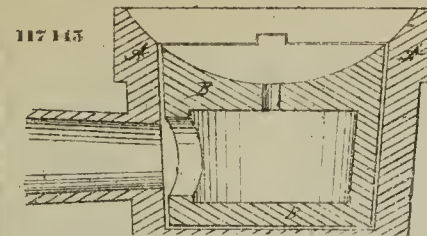
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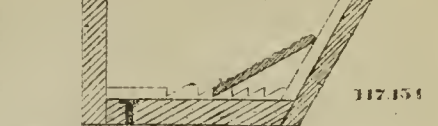
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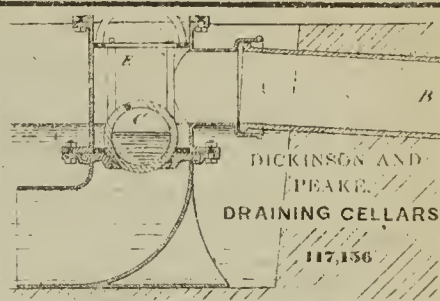
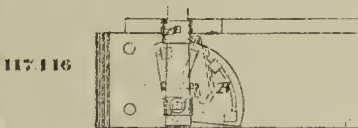
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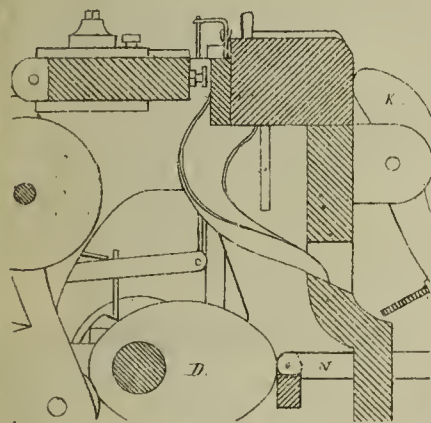
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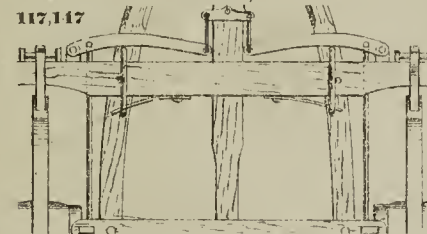
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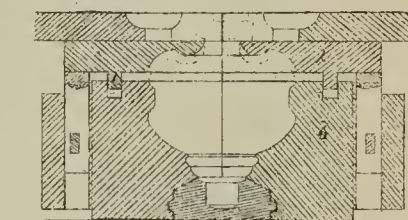
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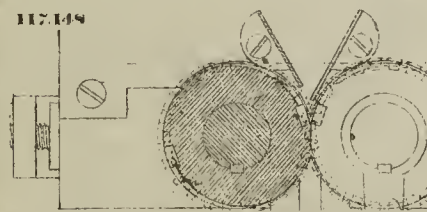
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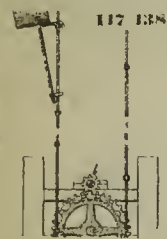
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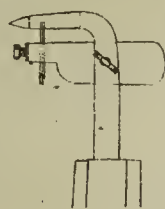
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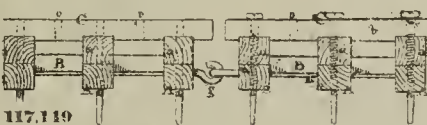
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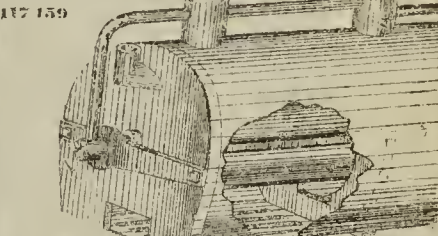
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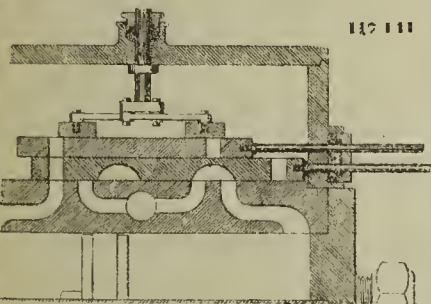
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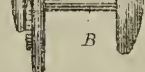
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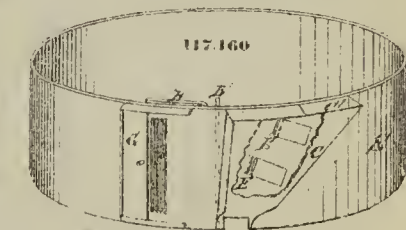
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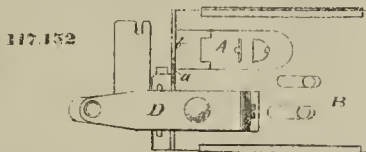
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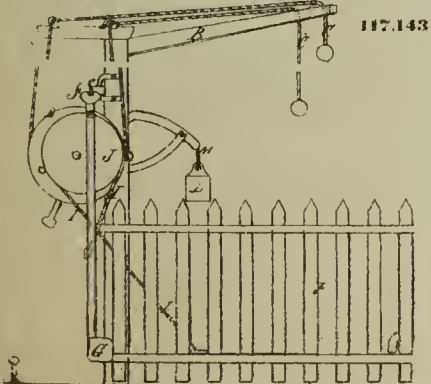
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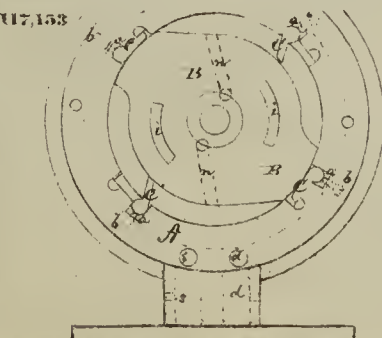
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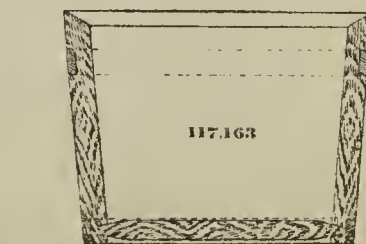
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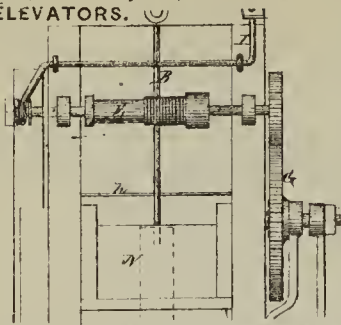


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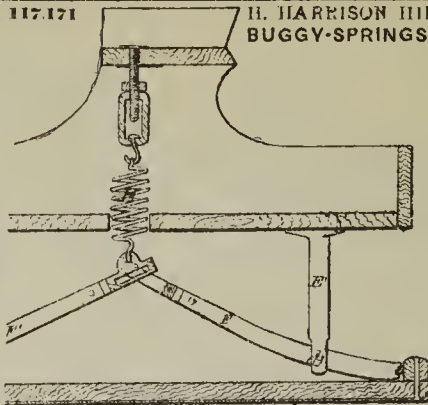


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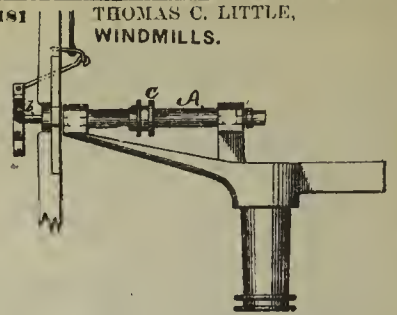
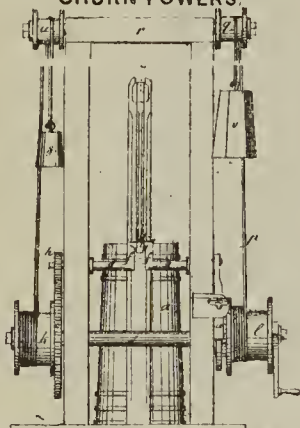


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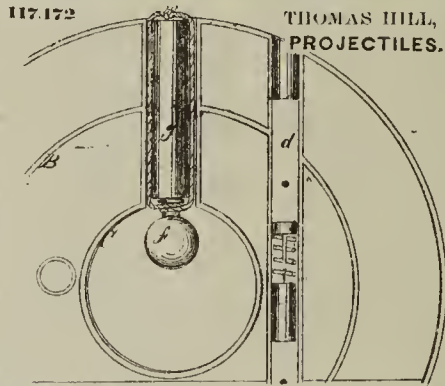
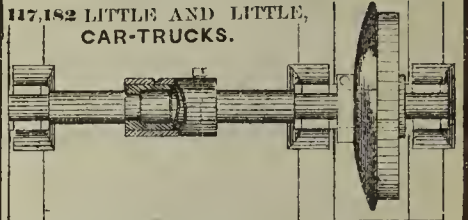
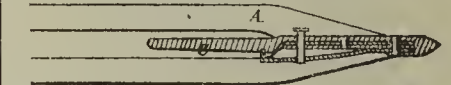
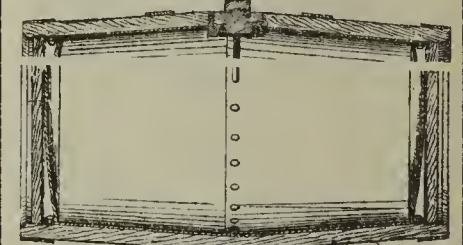
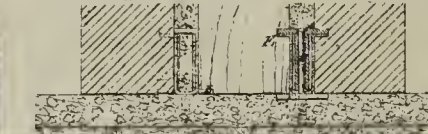
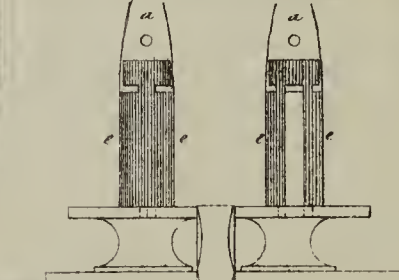
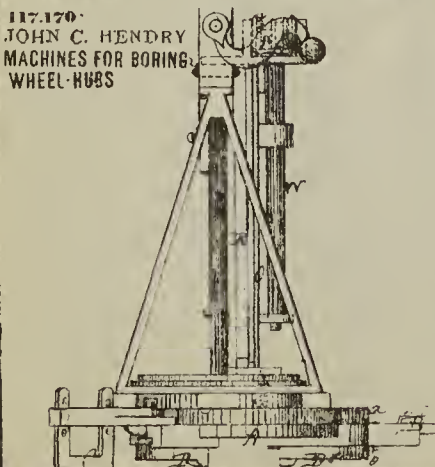
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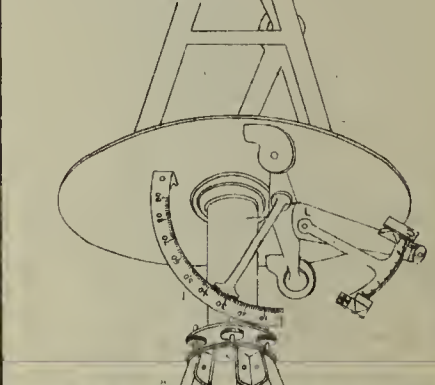
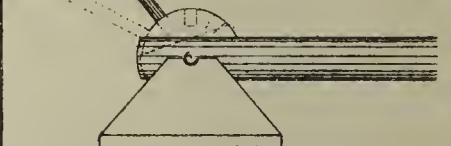
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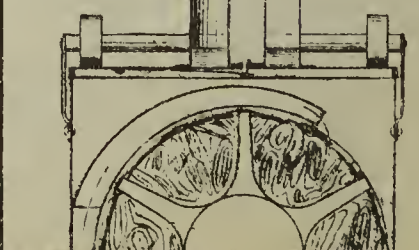
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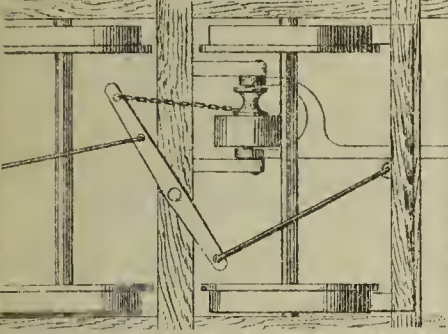
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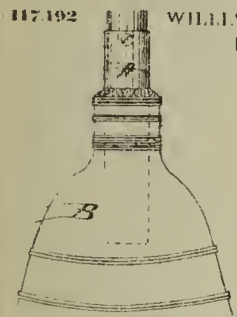


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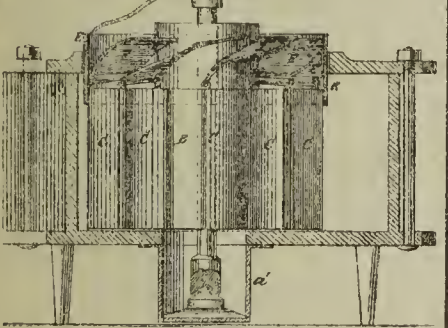


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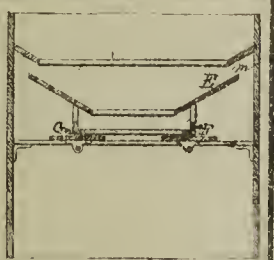
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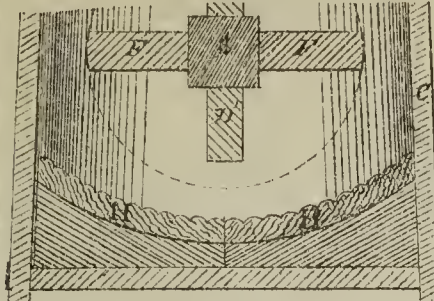
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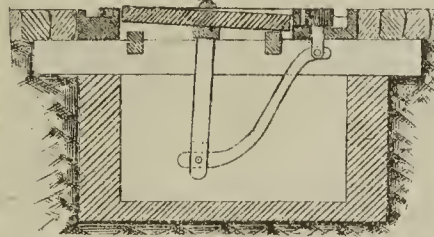
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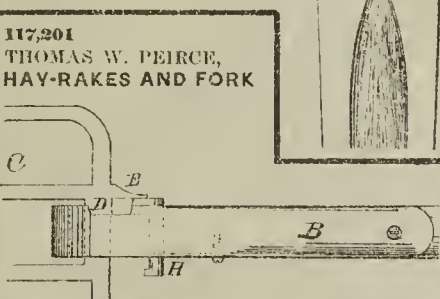
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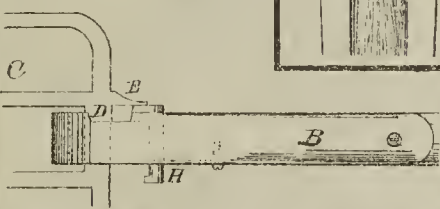
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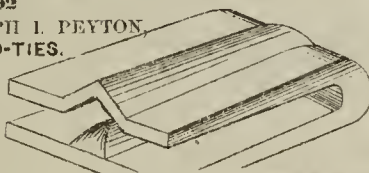
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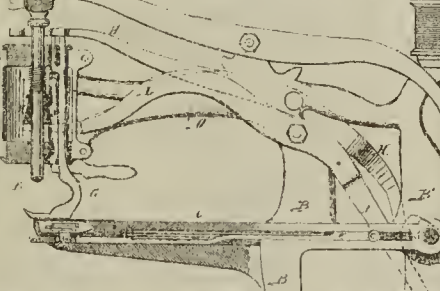
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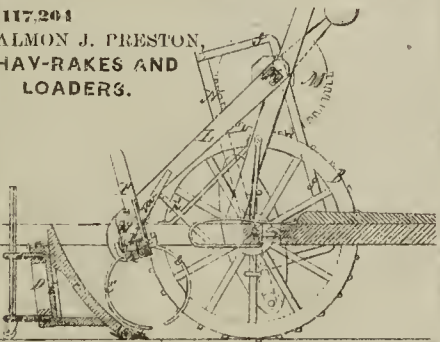
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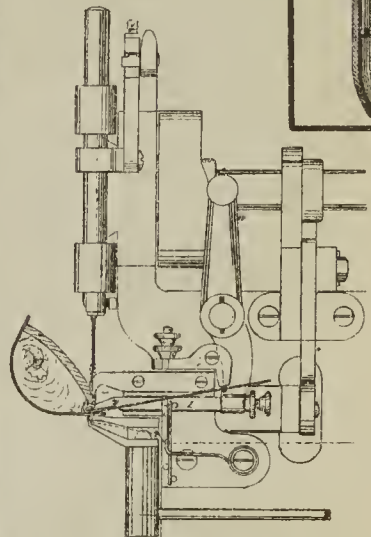
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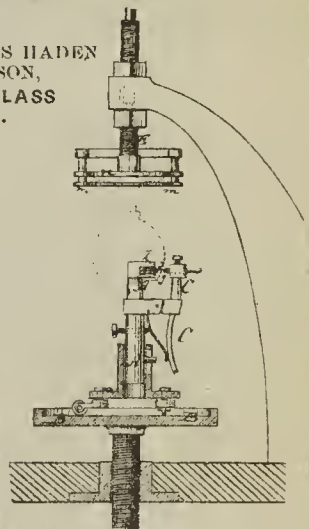
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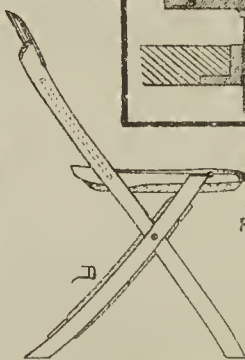
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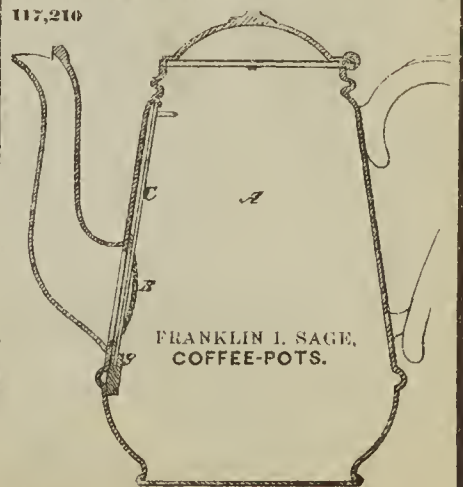
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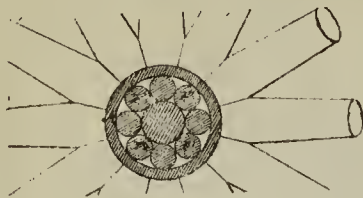
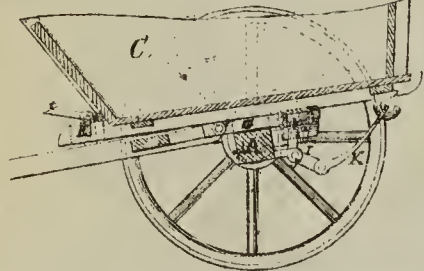
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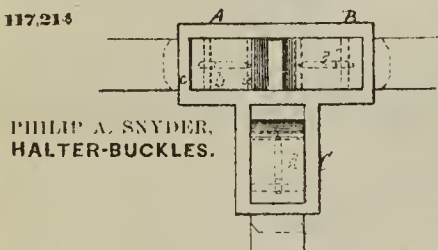
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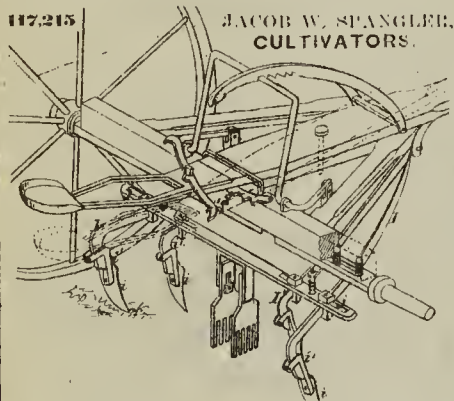
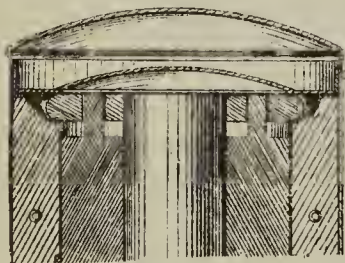
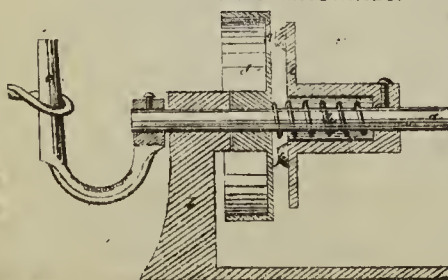
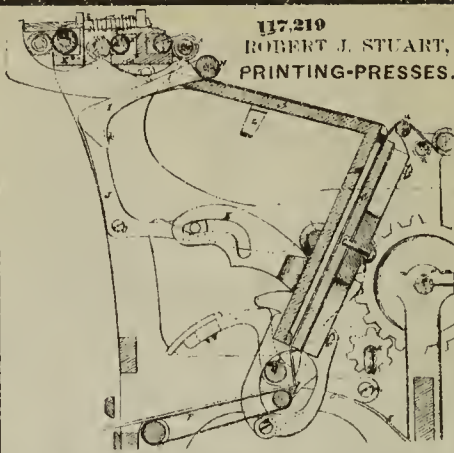
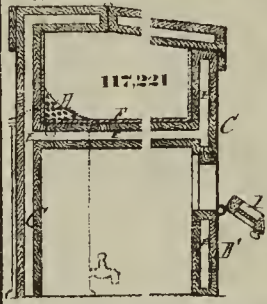
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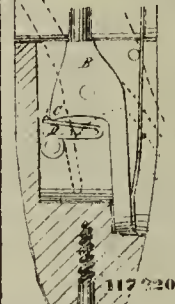
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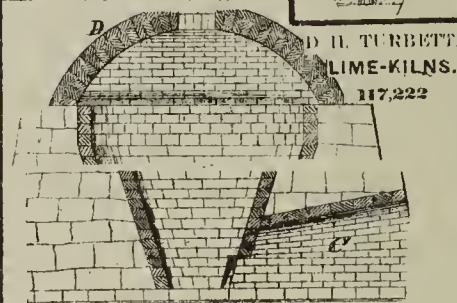
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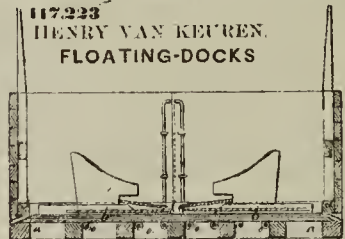
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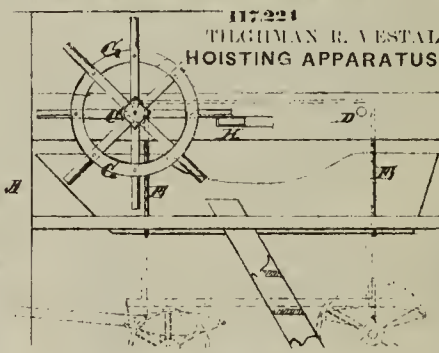
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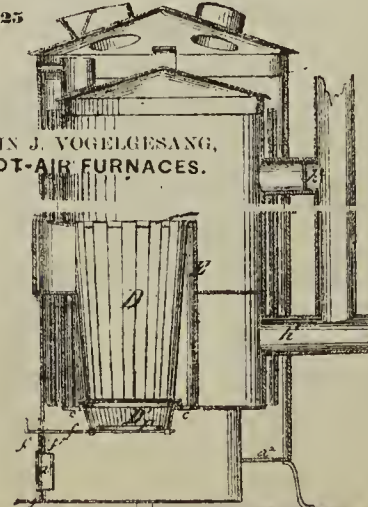
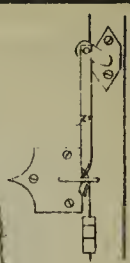
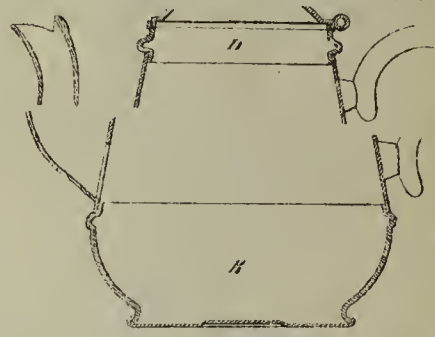
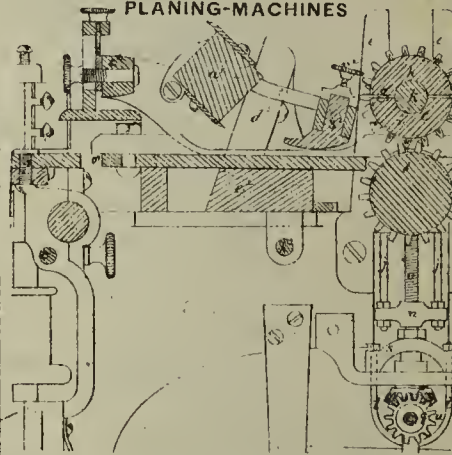
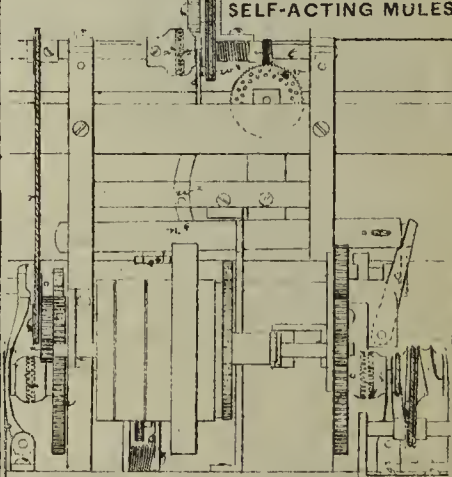
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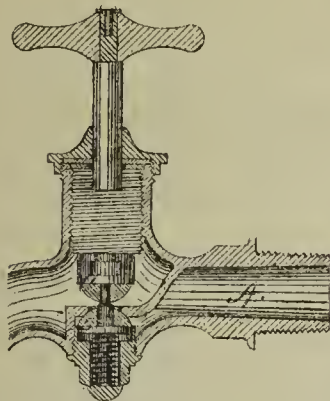
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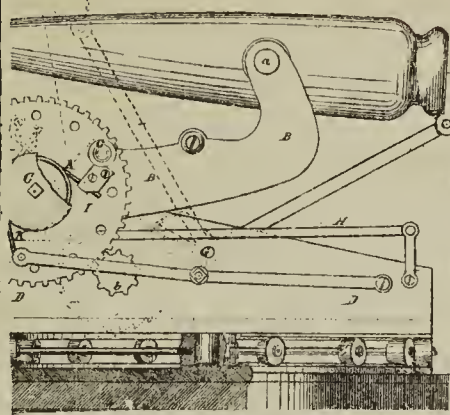
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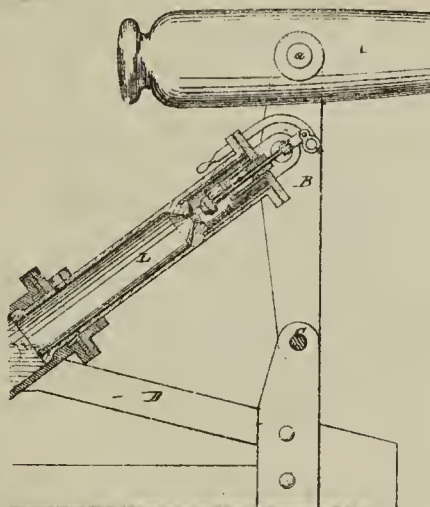
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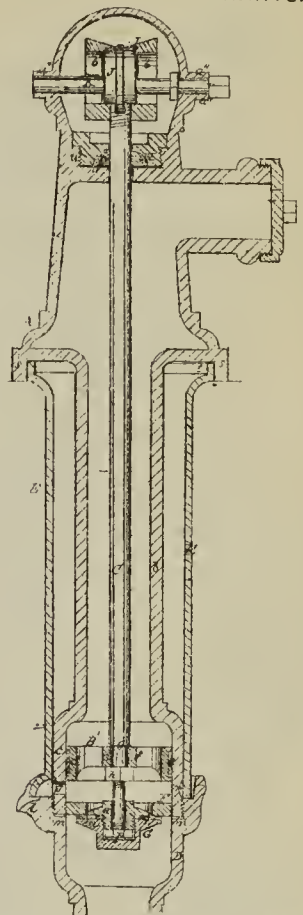
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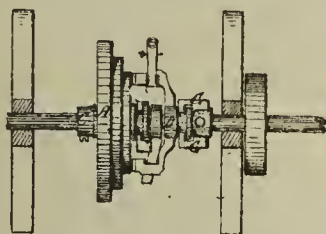
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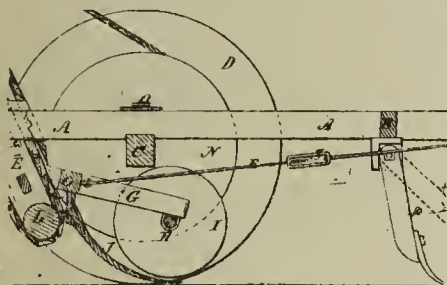
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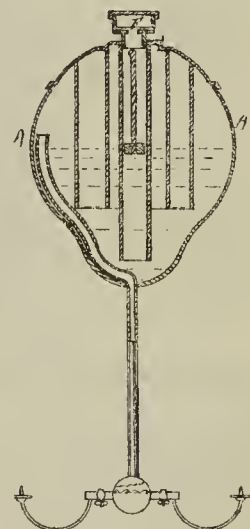
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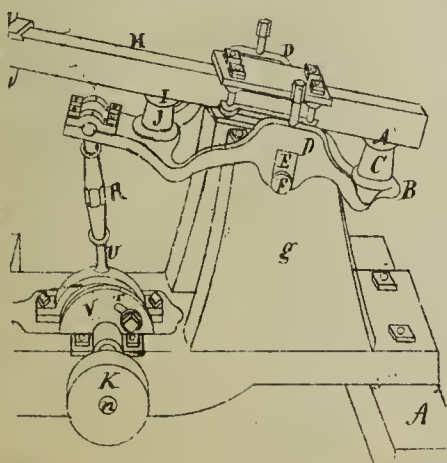
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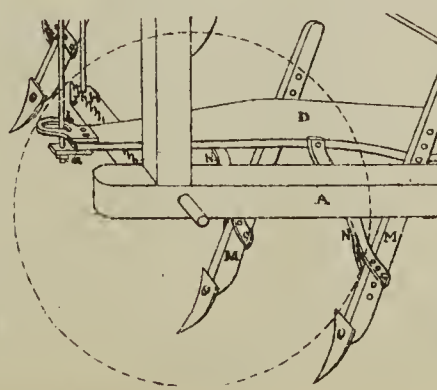
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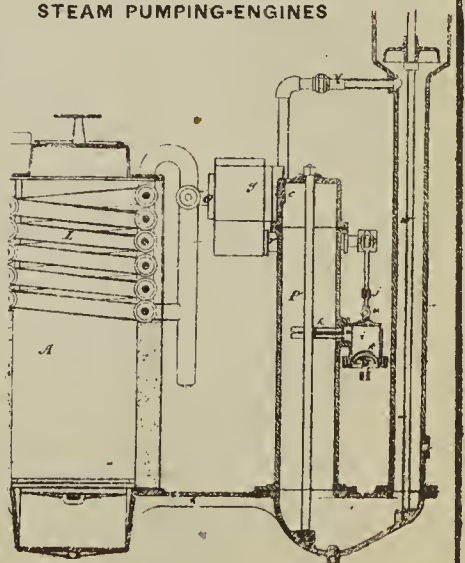
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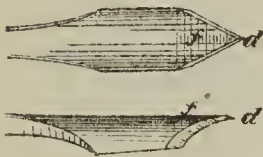
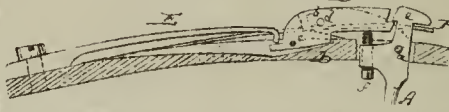
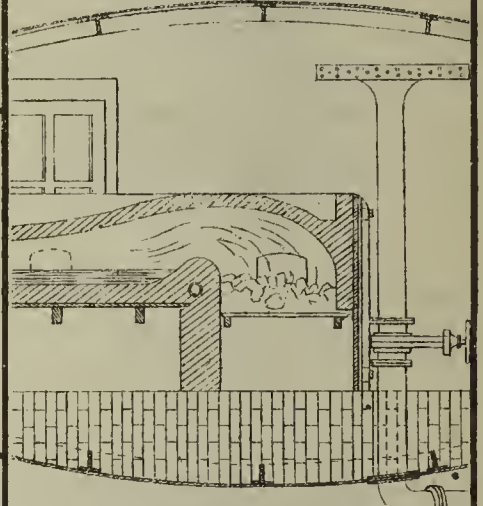
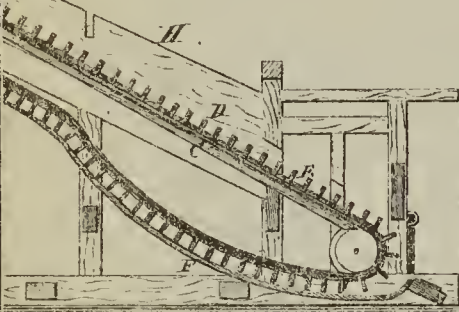
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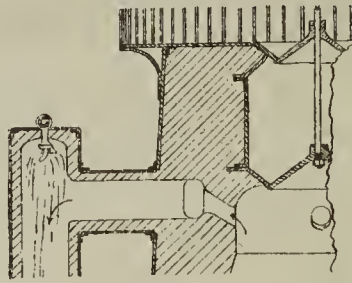
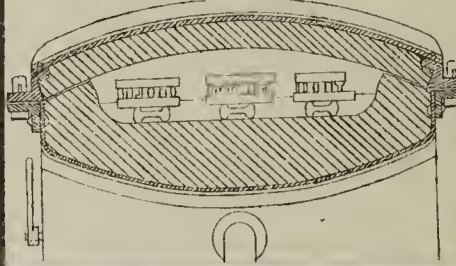
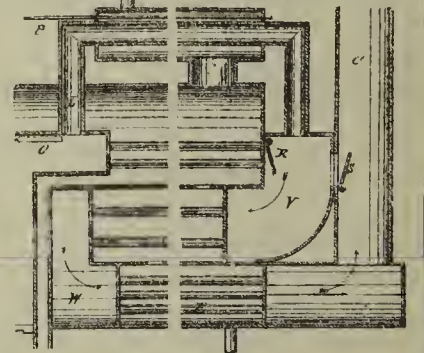
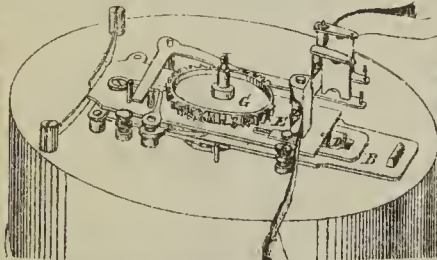
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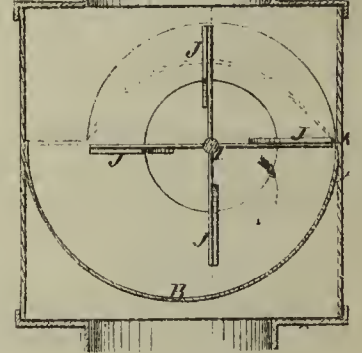
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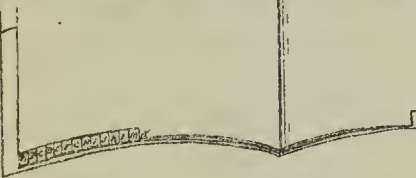
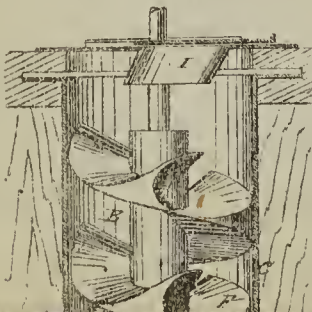
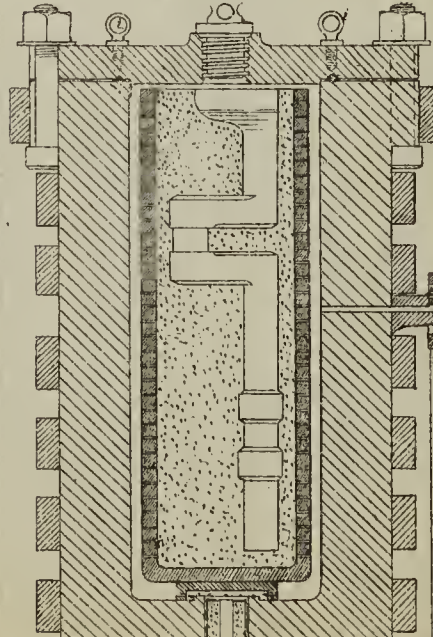
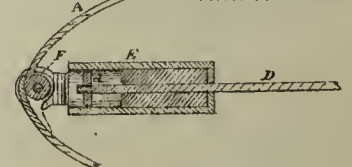
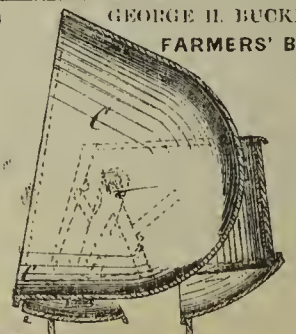
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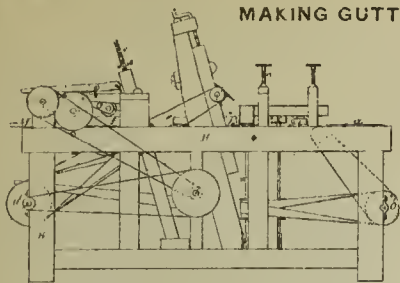
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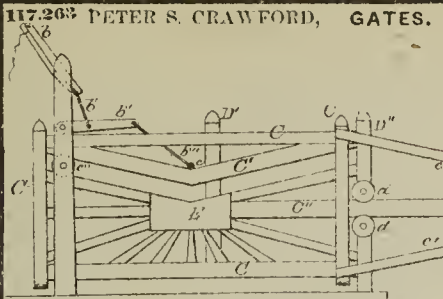
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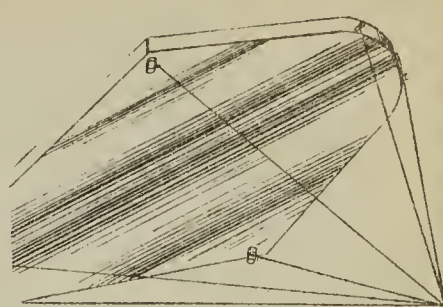
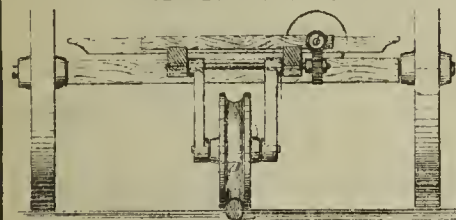
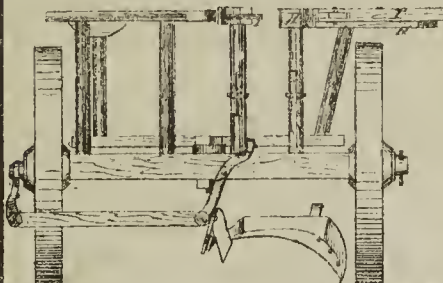
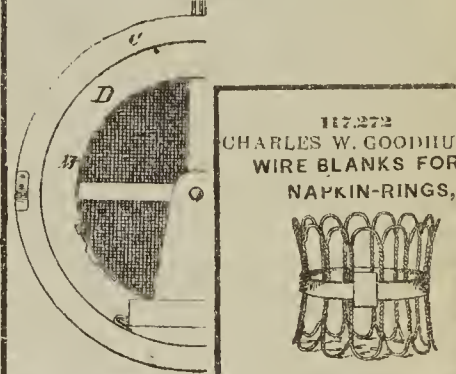
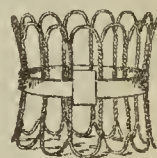
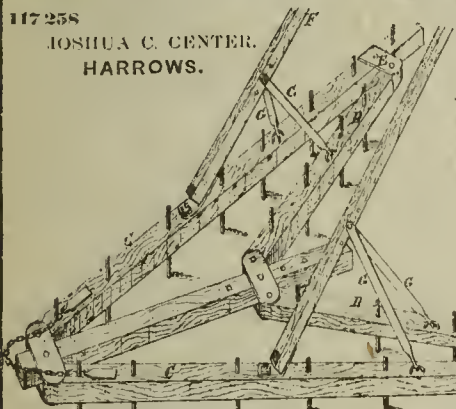
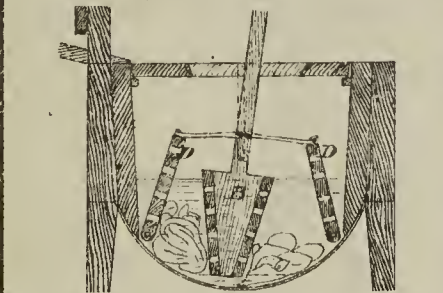
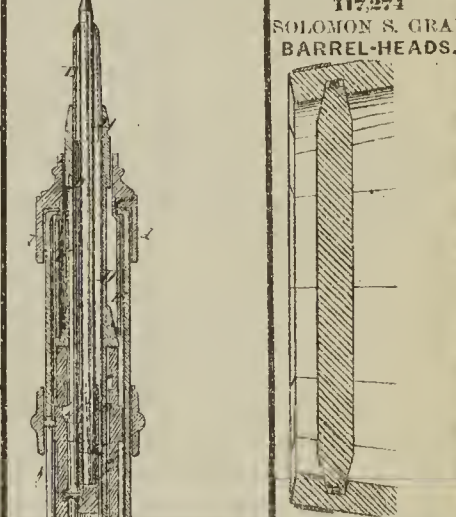
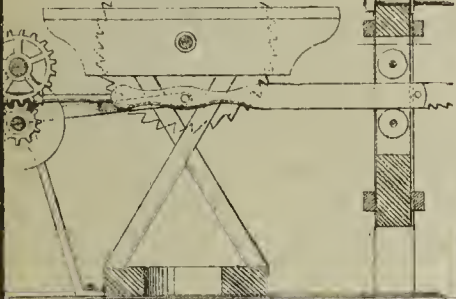
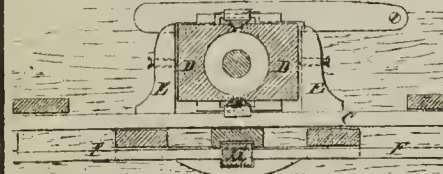
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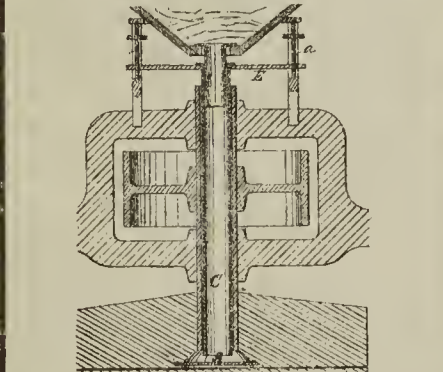
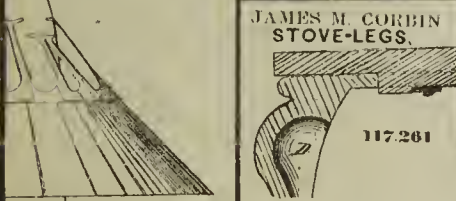
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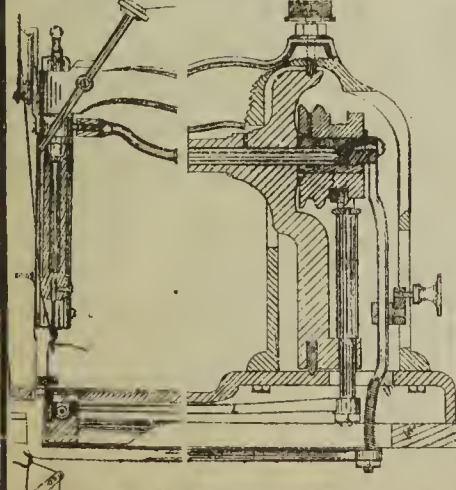
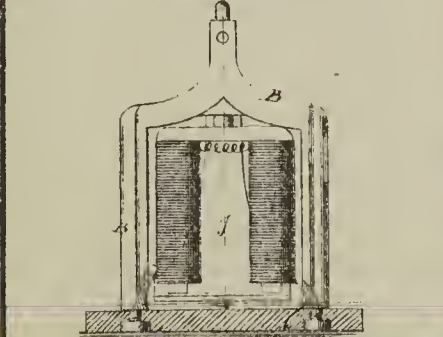
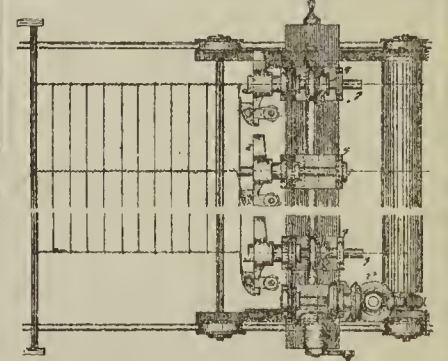
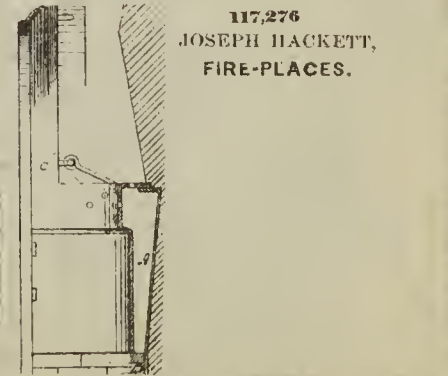
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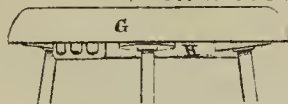
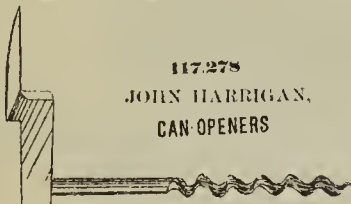
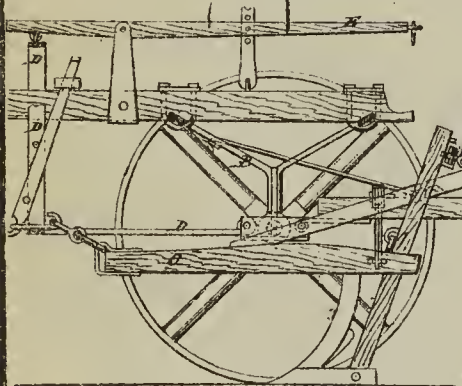
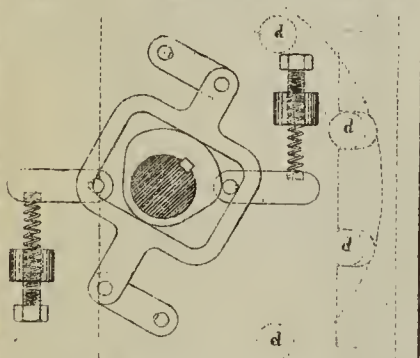
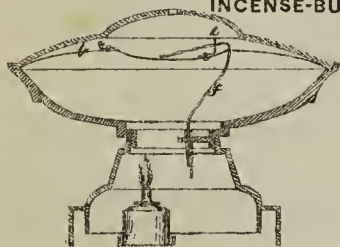
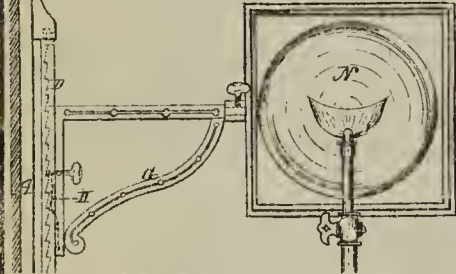
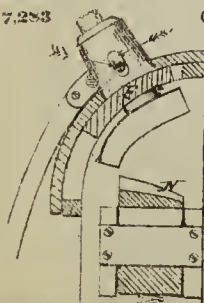
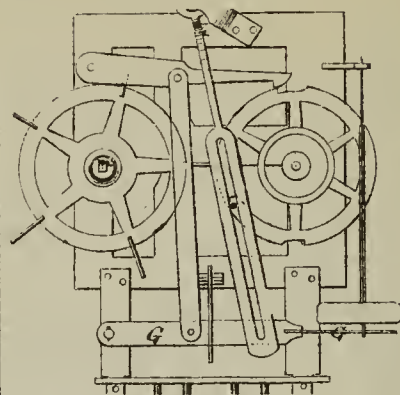
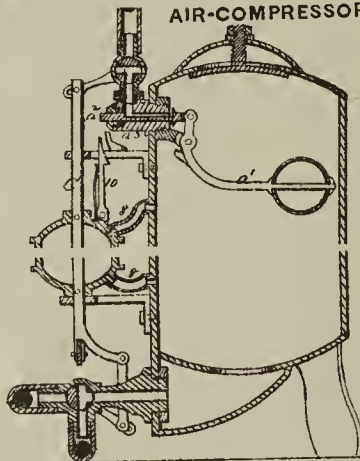
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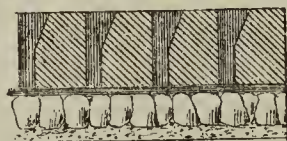
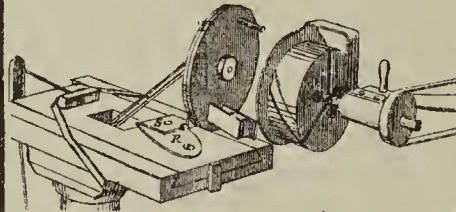
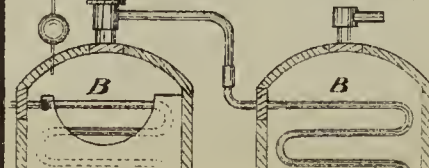
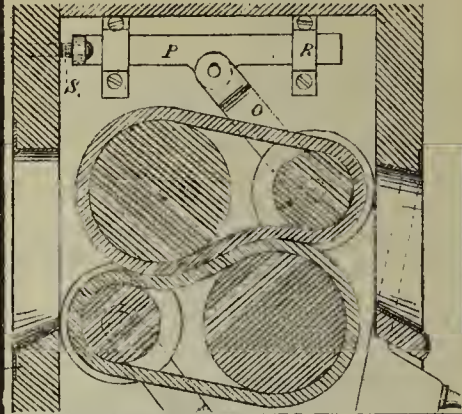
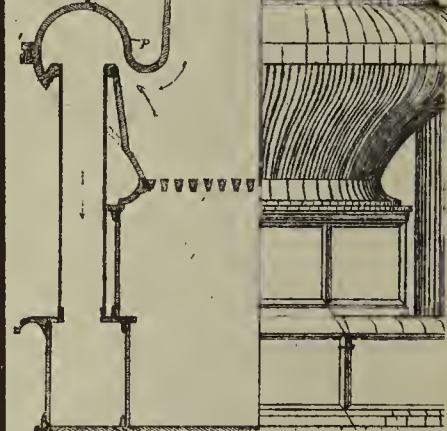
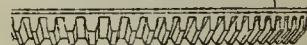
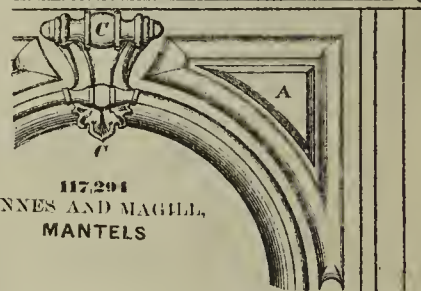
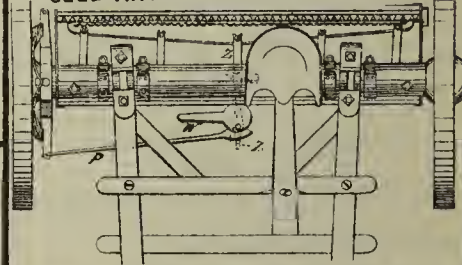
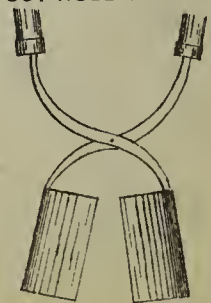
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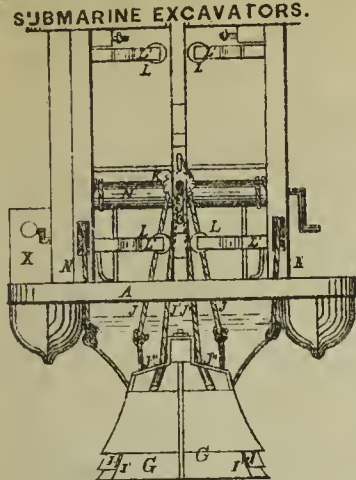
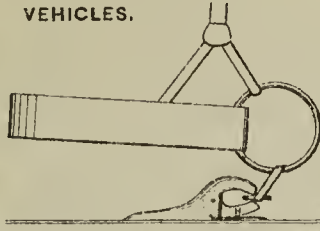
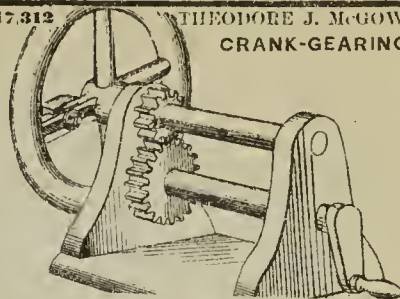
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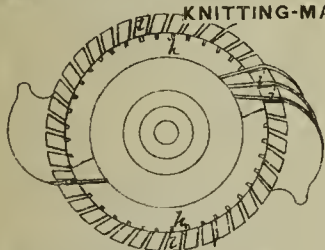
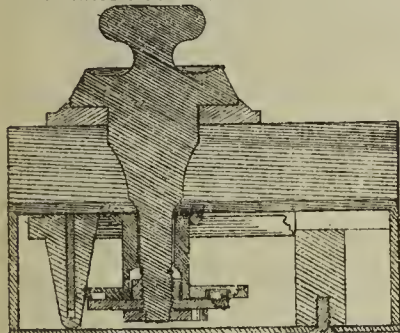
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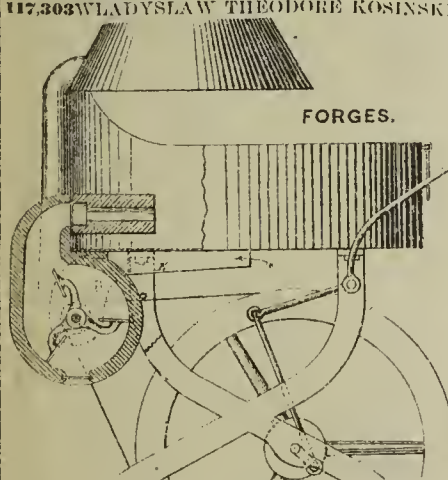
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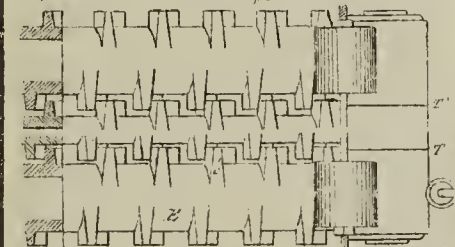
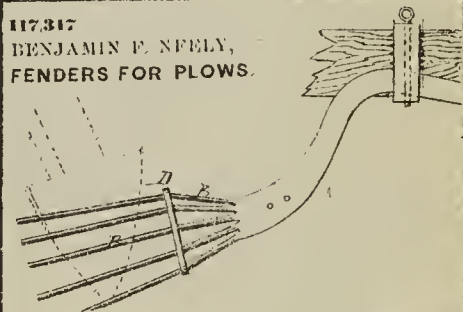
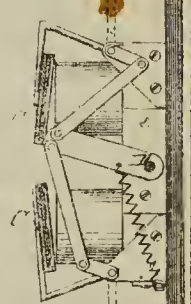
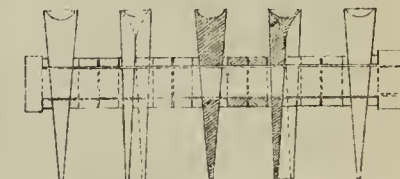
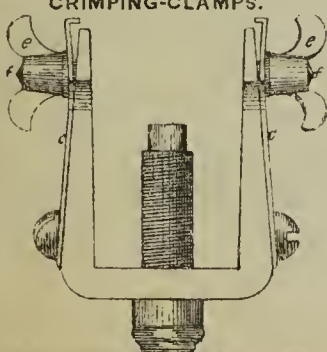
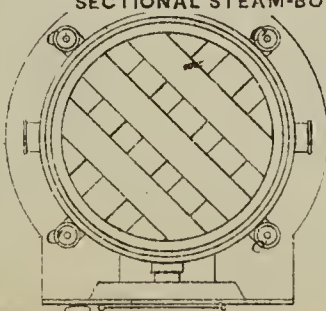
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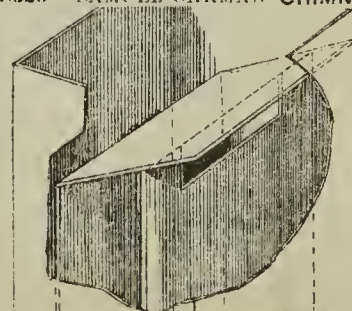
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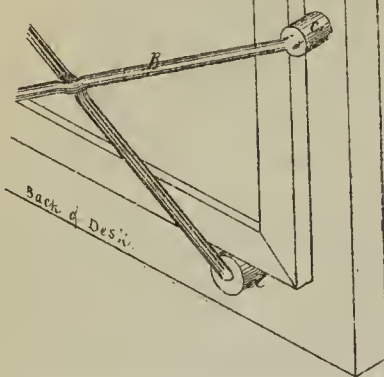
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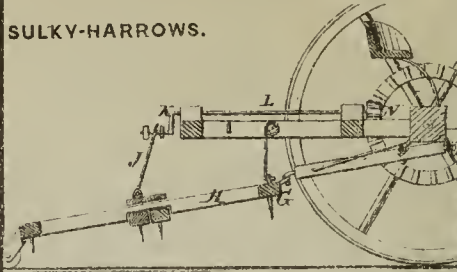
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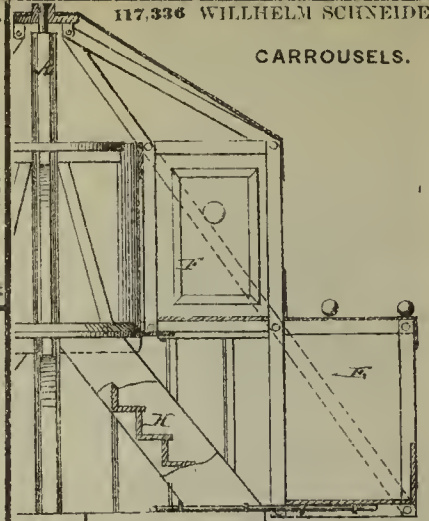
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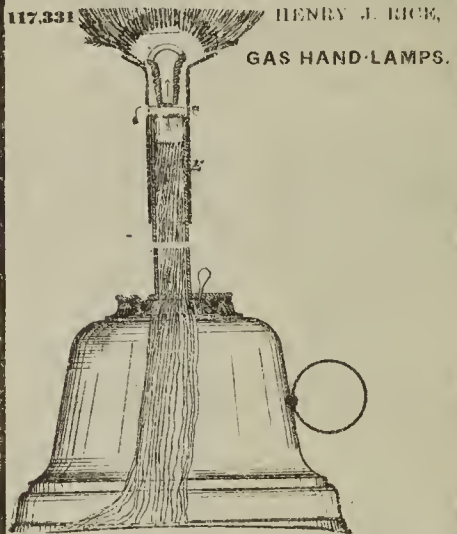
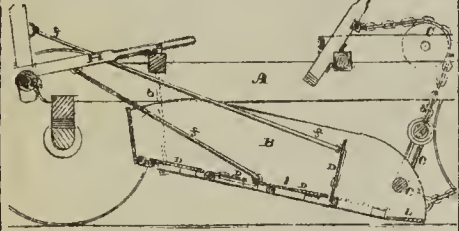
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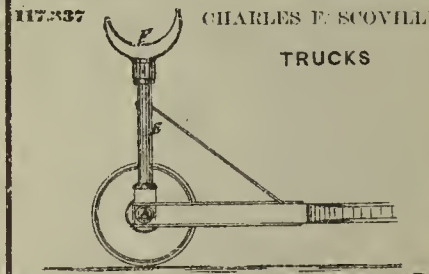
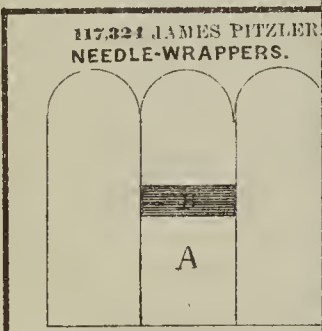
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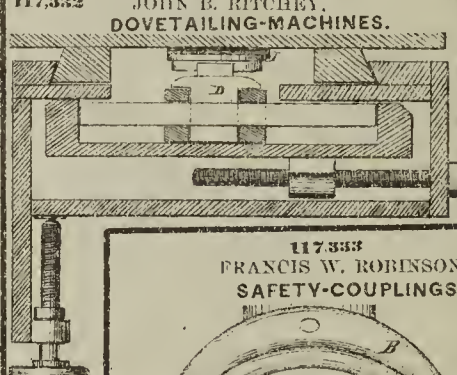
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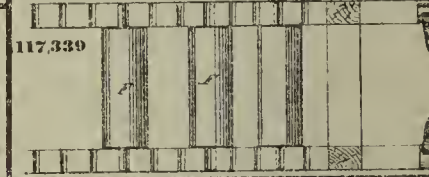
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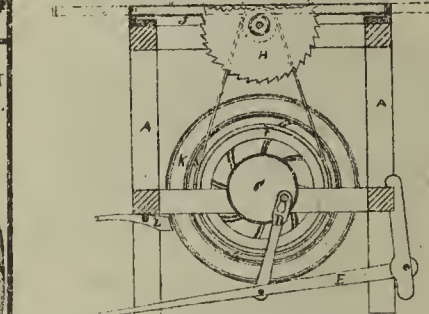
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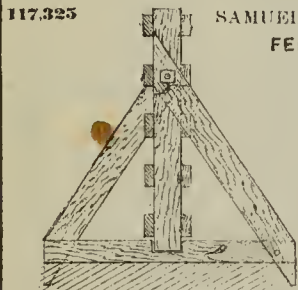
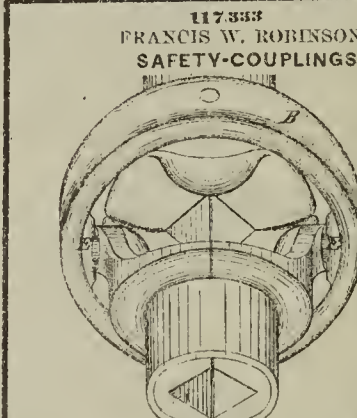
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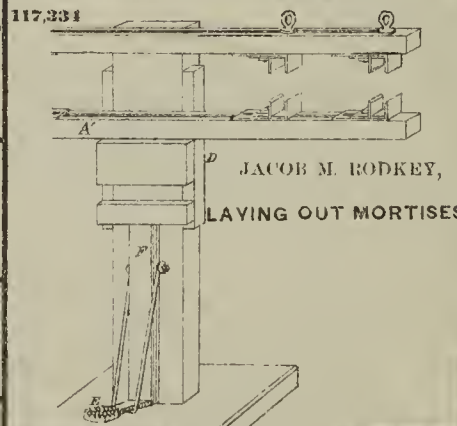
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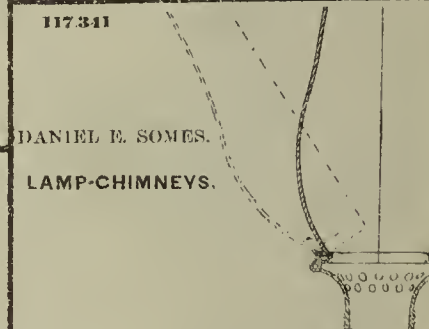
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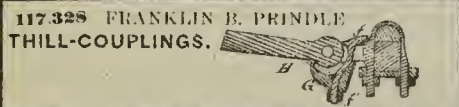
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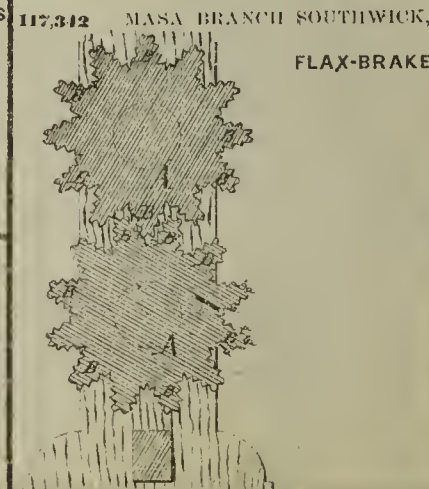
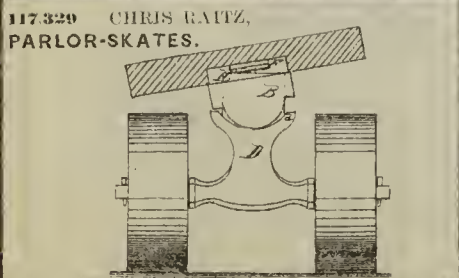
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117,327 JAMES MARTIN PRICE ROOFS.

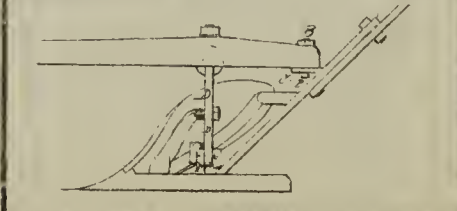
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117,342 MASA BRANCH SOUTHWICK,

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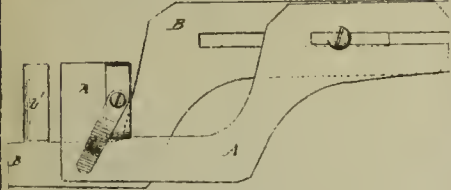
117,329 CHRIS RAITZ,
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117,335 MONTGOMERY P. ROSE, PLOWS.

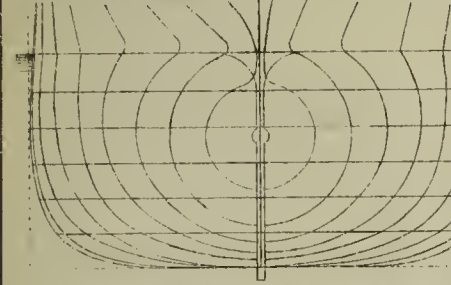
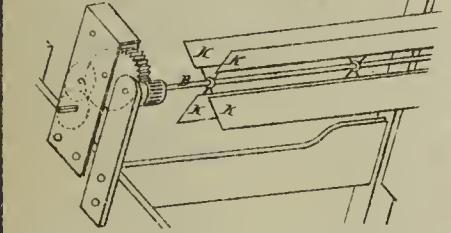
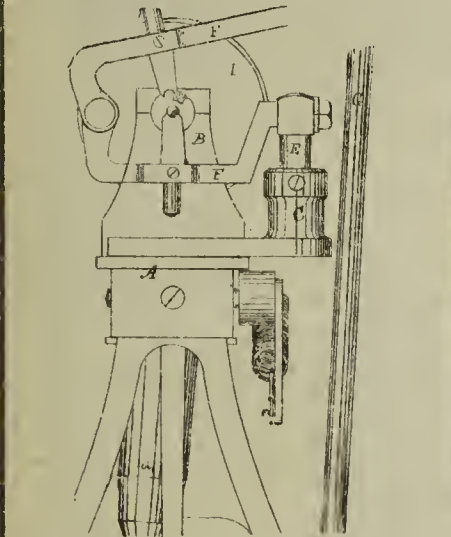
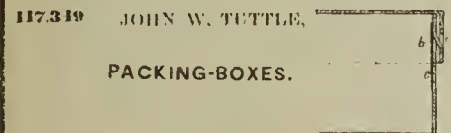


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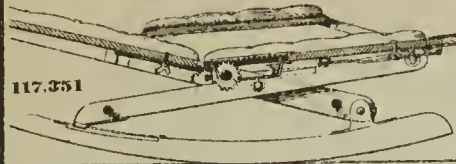
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117,344 ELEANOR C. SPROUL
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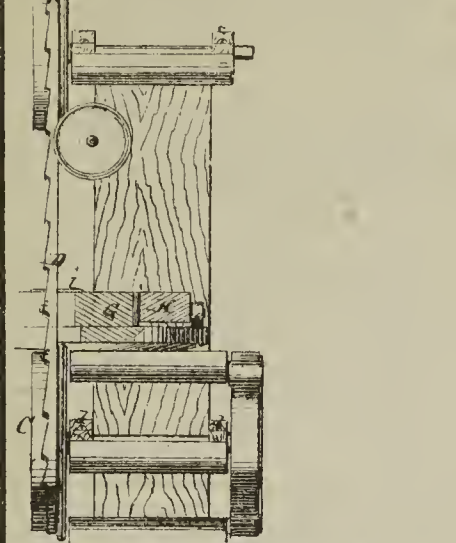
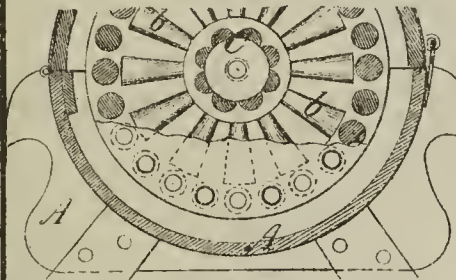
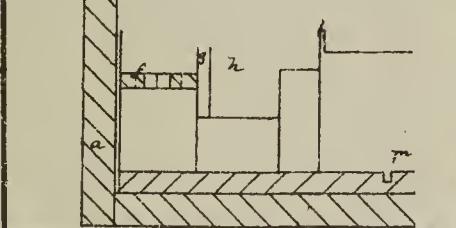
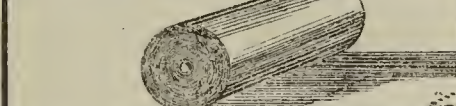
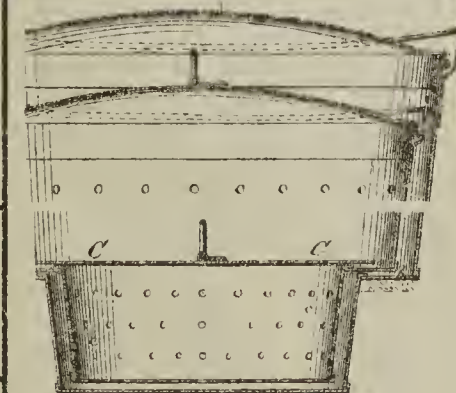
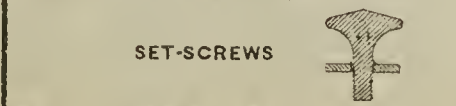
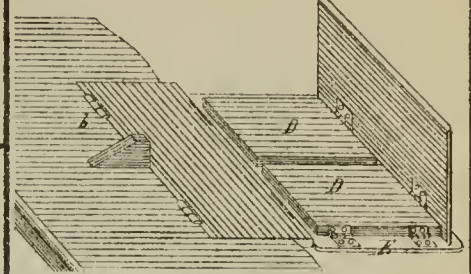
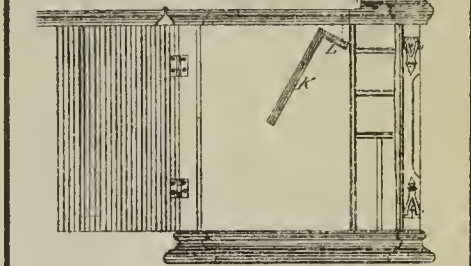
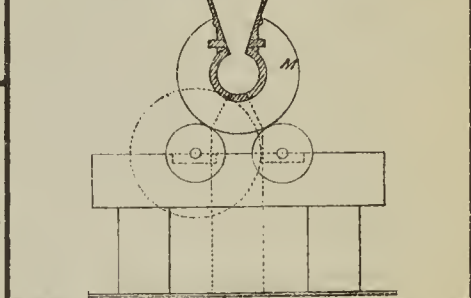
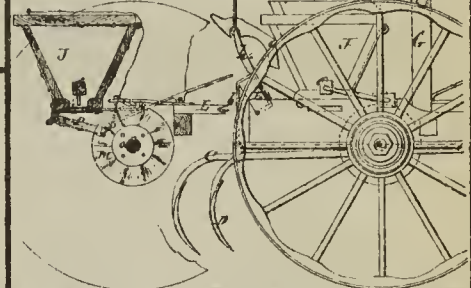
117,345 EDWARD M. STRANGE. SHIP-BUILDING.

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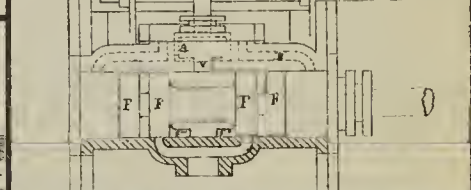
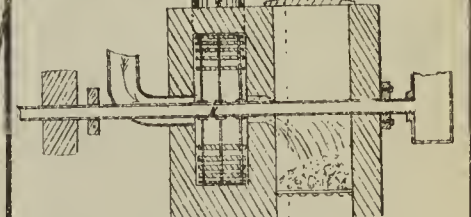
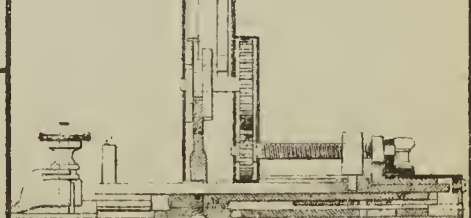
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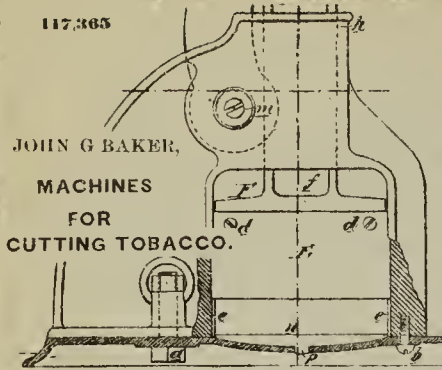
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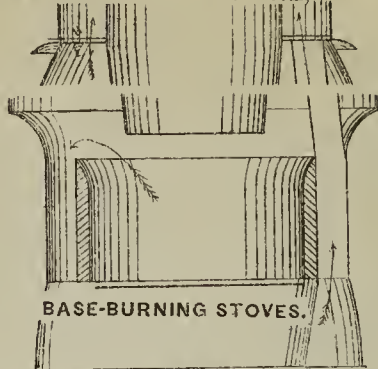
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JOHN G BAKER,
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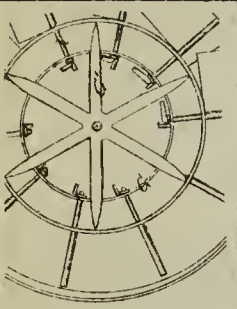
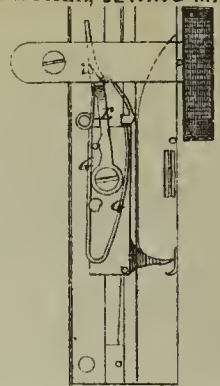
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WILLIAM H. BUKER, SEWING-MACHINES.

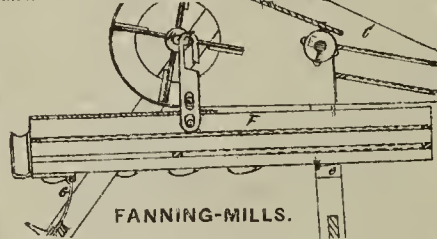
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WILLIAM BALL
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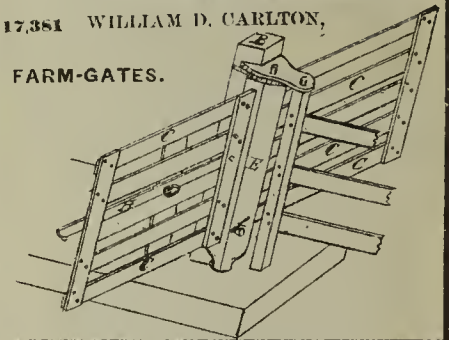
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117,381 WILLIAM D. CARLTON,

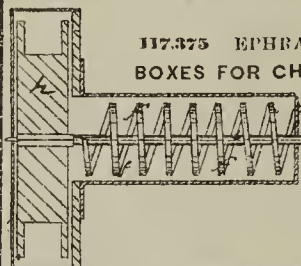
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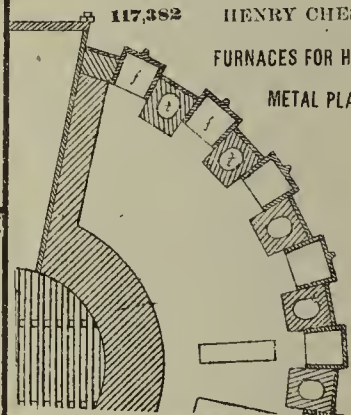
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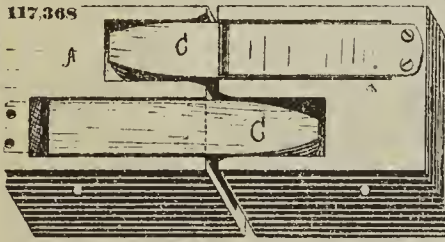
EPHRAIM BRALEY,
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METAL PLATES,

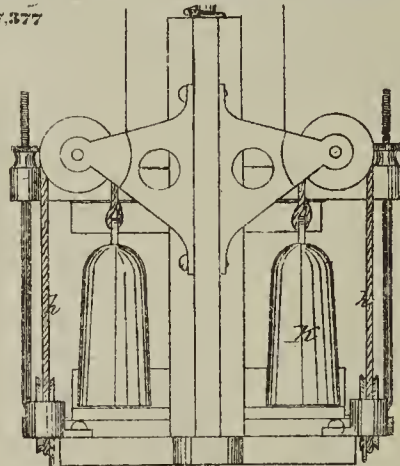
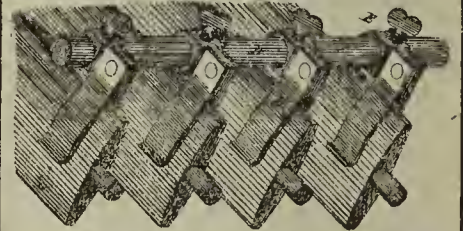
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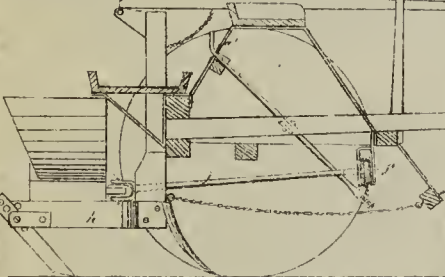
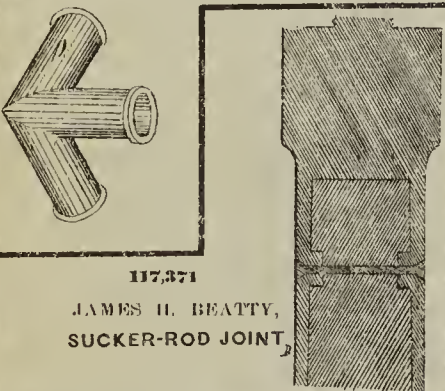
WILLIAM D. BREWER MOLDING CIGAR-BUNCHES.

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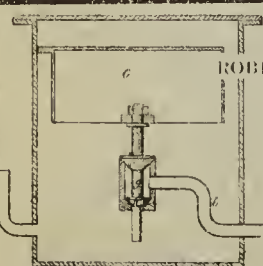
117,383 JAMES CHURCH,
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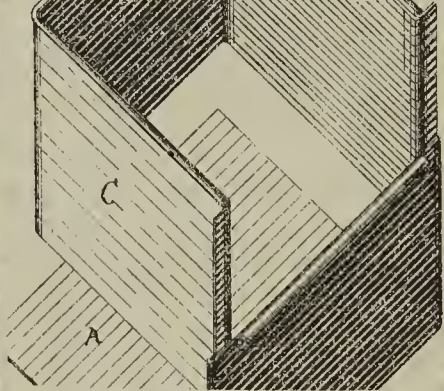
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JAMES H. BEATTY,
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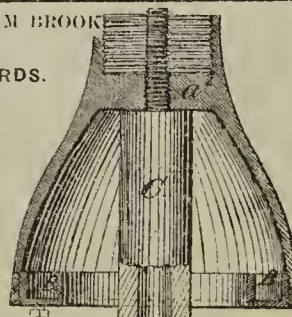
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JAMES W. BROOK,
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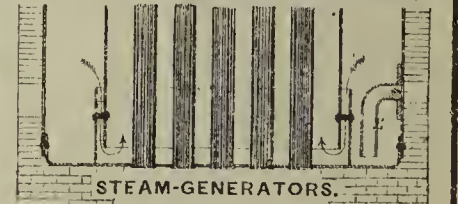
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117,384 JOHN B. CORNELL,
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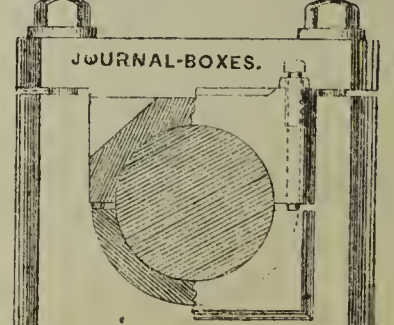
117,385 GEORGE H. CORLISS,



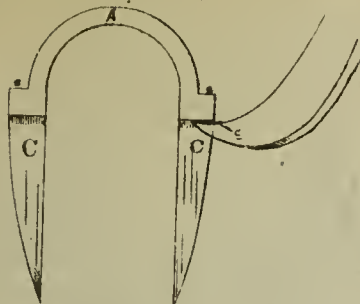
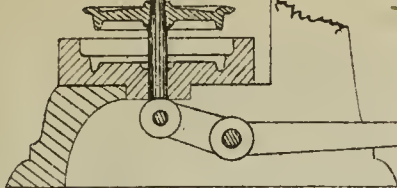
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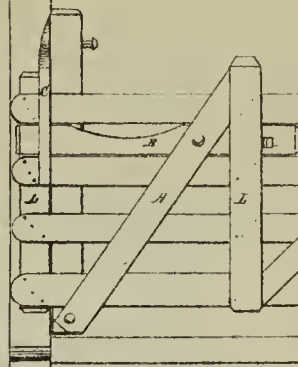
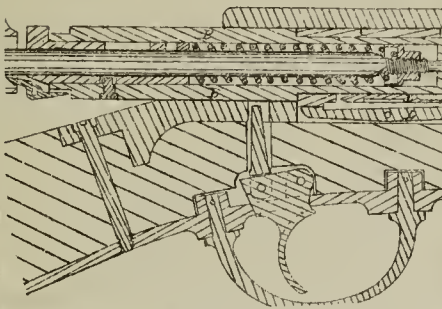
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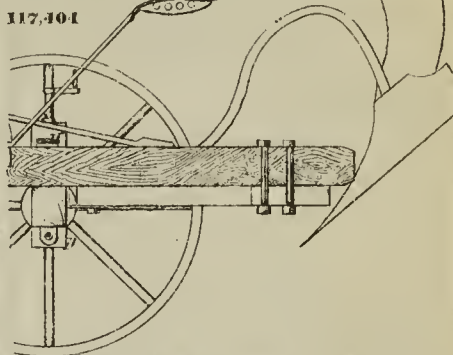
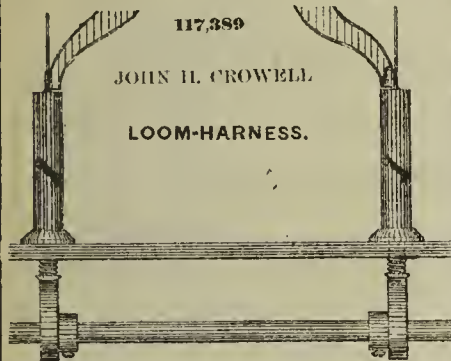
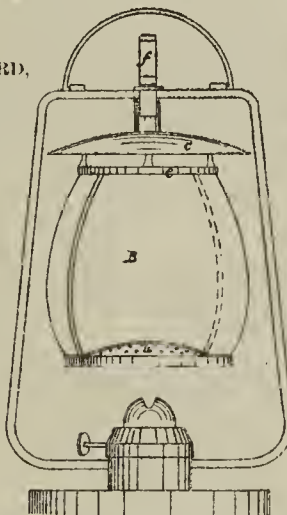
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117,397 JOSIAH W. ELLS,
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117,403 ROBERT GIDLEY, GATES.

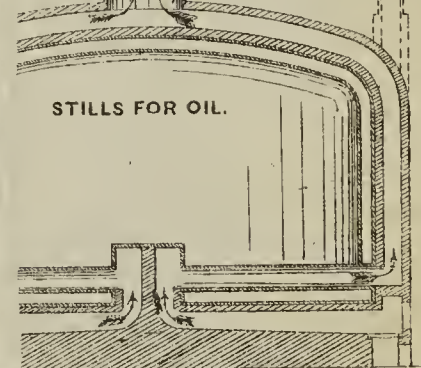
117,388 JOHN S. CRARY,
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JAMES H. GLASS, GANG-PLOWS.

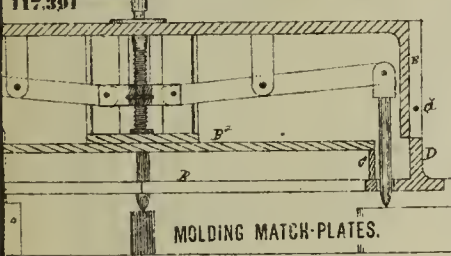
117,389 JOHN H. CROWELL,
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117,405 JOHN GRACIE,

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117,390 DAVID DALZELL,
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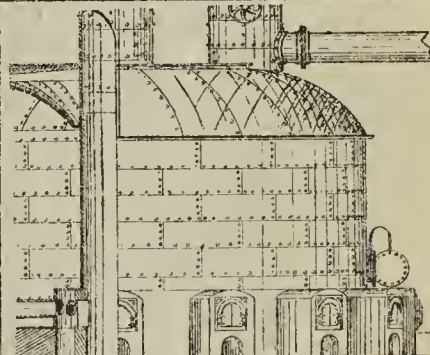
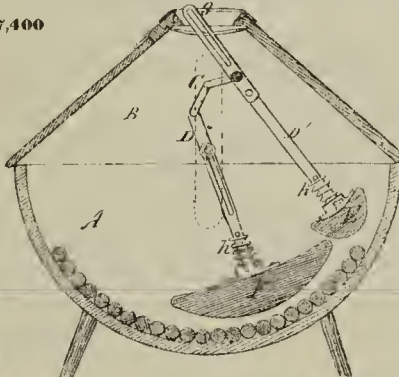
117,391 JOHN R. DAVIES,



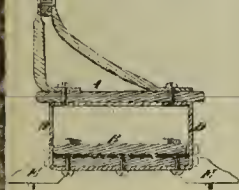
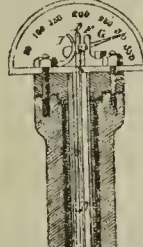
MOLDING MATCH-PLATES.

CHARLES FORTIN, WASHING-MACHINES.

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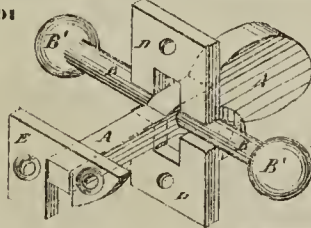
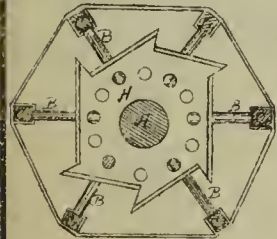


117,406 JOHN GRACIE, STILLS FOR OIL.

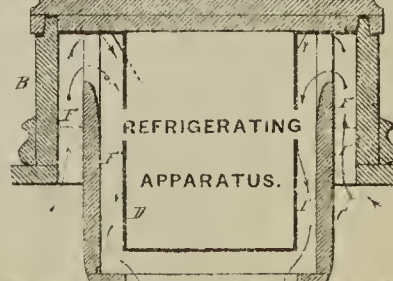
117,392 ELIJAH F. DUNAWAY,
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CHARLES H. FREITAG, GATE-LATCHES.

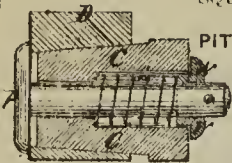
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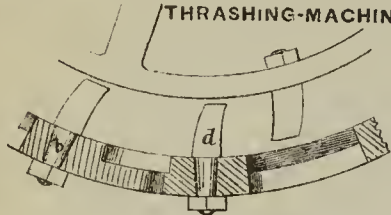
117,408 JOHN GRAVENSTINE,

REFRIGERATING
APPARATUS.

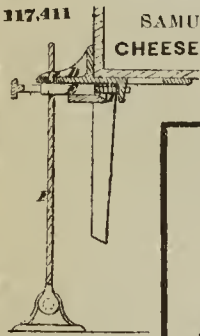
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PITMEN-CONNECTIONS



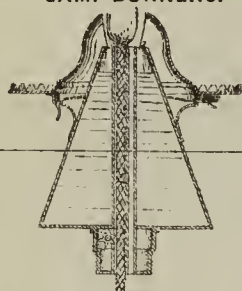
117.410 CHARLES S. HALL,
THRASHING-MACHINES.



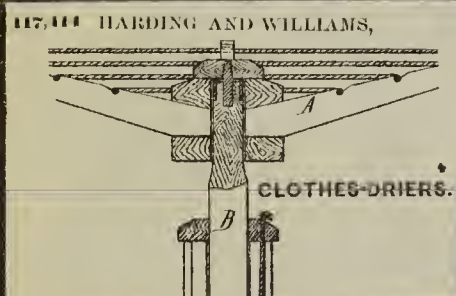
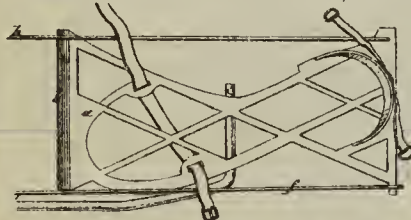
117.411 SAMUEL P. HALLECK,
CHEESE-VAT FASTENERS.



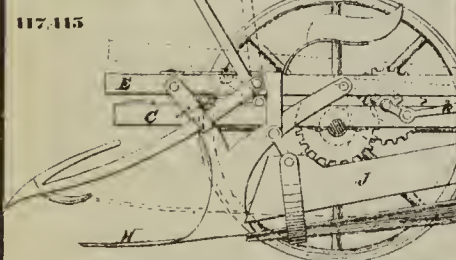
117.412 HALLEY AND LIVINGSTON,
LAMP-BURNERS.



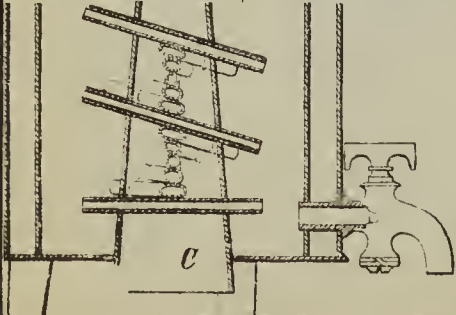
117.413 HANGER AND HANGER,
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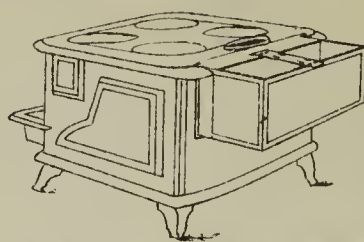
ROBERT A. HAW, POTATO-DIGGERS



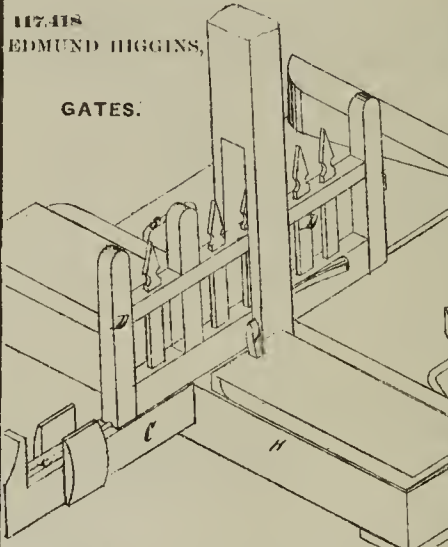
117.416 JOSEPH HEAD, WATER-HEATERS.



117.417 LEVI HERMANC,
COOKING-STOVES.



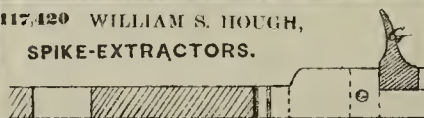
117.418 EDMUND HIGGINS,
GATES.



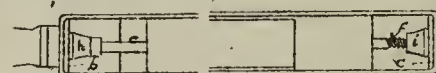
117.419 ROBERT HOOPER, CANAL-BOATS.



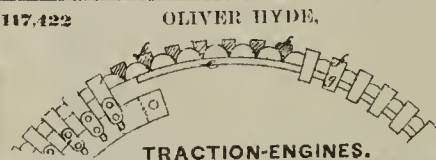
117.420 WILLIAM S. HOUGH,
SPIKE-EXTRACTORS.



117.421 OLIVER B. HOWARD, RAZOR-STROPS.



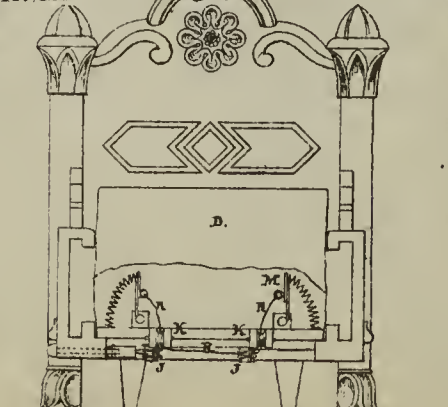
117.422 OLIVER HYDE,
TRACTION-ENGINES.



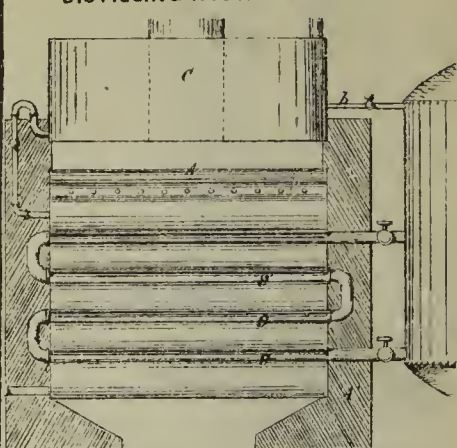
117.423 GUSTAV L. JAEGER,
PAPER BOXES.



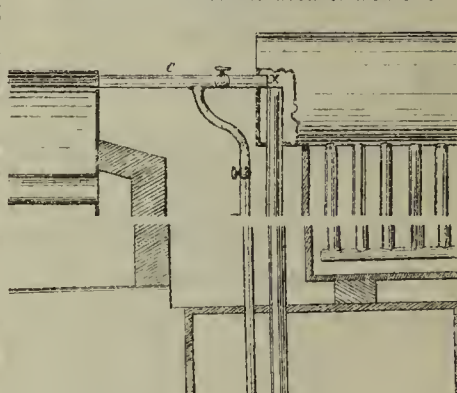
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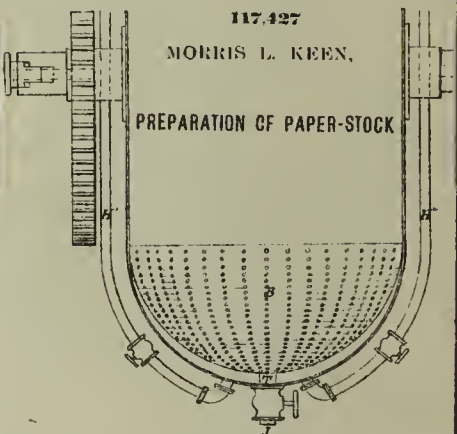
117.425 JAMES J. JOHNSTON,
DISTILLING HYDROCARBONS.



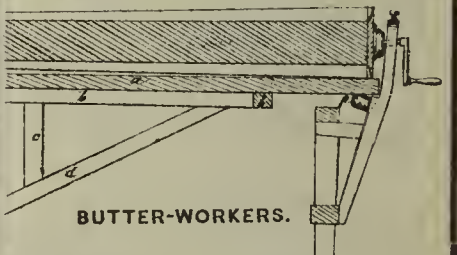
117.426 JAMES J. JOHNSTON,
TREATING HYDROCARBON OILS.



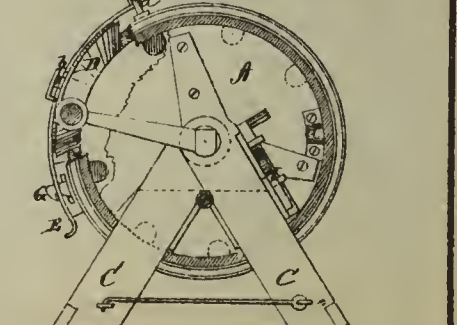
117.427 MORRIS L. KEEN,
PREPARATION OF PAPER-STOCK

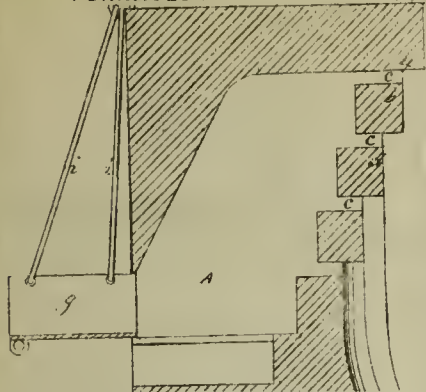
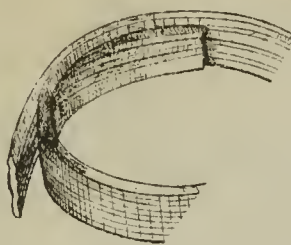


117.428 LUKE L. KELLOGG,

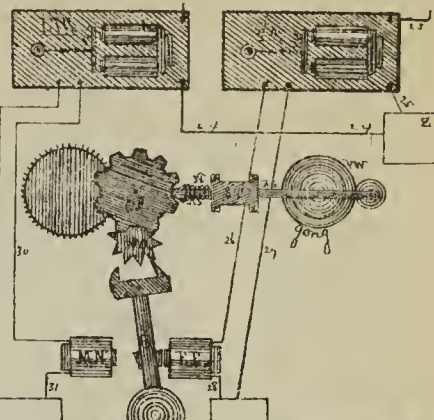


117.429 EBENEZAR D. KITCHEN,
WASHING-MACHINES.

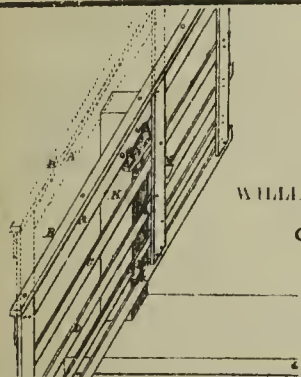


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PEG-WOOD.117,437 FRANK M. MAHAN,
PROPULSION OF CANAL-BOATS.

117,441 JOHN MORGAN, BURGLAR-ALARMS

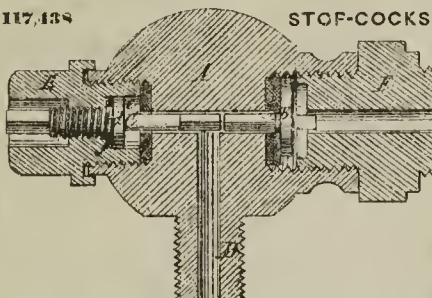


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WILLIAM H. KOSHT,
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MALMSTRÖM AND DUMMER,

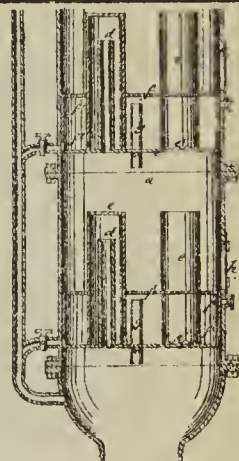
117,438 STOP-COCKS.



117,445

JOHN E. MORRIS,

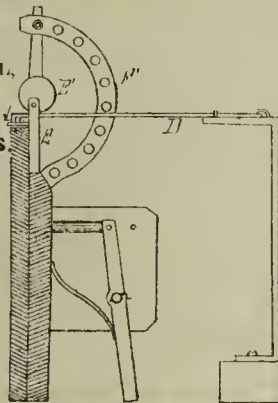
SPIRIT-STILLS.



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JOHN KREHBIEL,

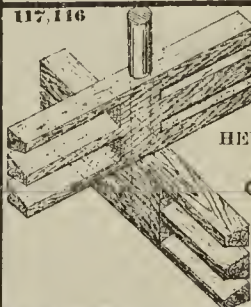
TRIP-HAMMERS



CHARLES MARKLEY, HAIR-CURLERS.

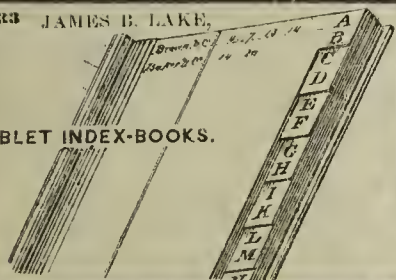


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HENRY MULHOLLAND,
CHURN-DASHERS.

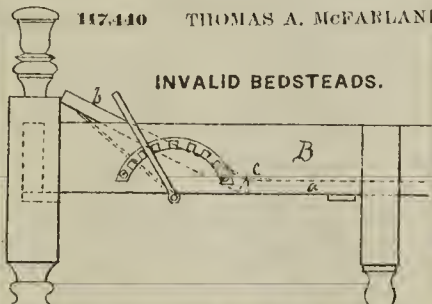
117,433 JAMES B. LAKE,

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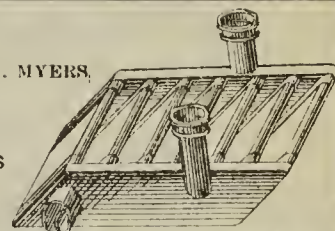
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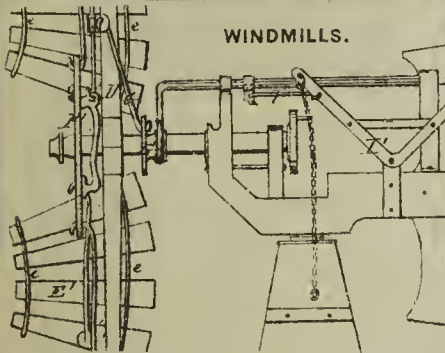
THOMAS J. MYERS,

BOILERS

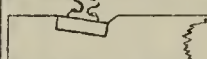


117,434 LEANDER LEACH,

WINDMILLS.

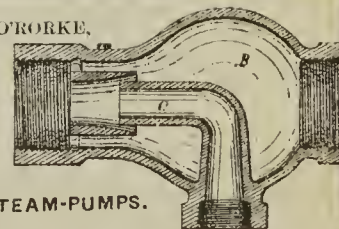
117,441 JAMES I. METTLER,
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WILLARD A. NICHOLS,
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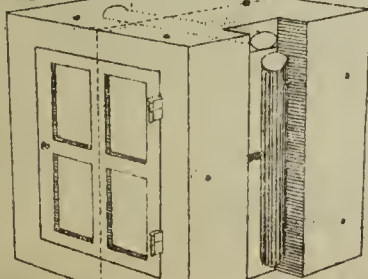
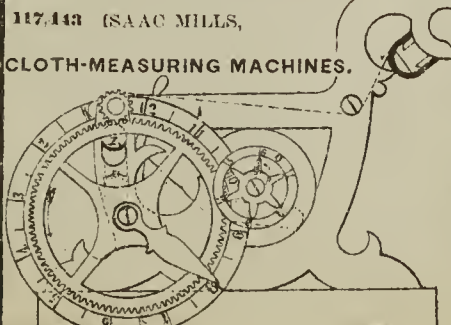
117,450 THOMAS O'RORKE,

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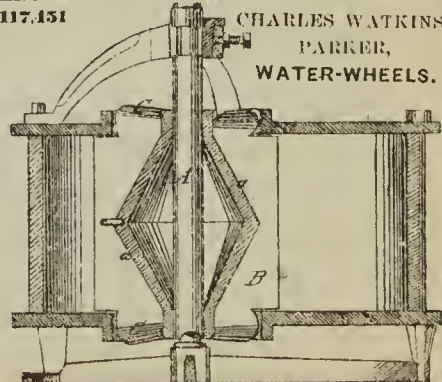


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117,443 ISAAC MILLS,
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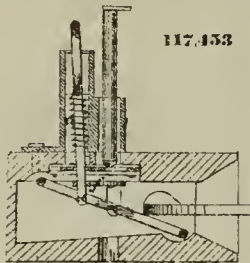
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LAMP-CHIMNEY CLEANERS.

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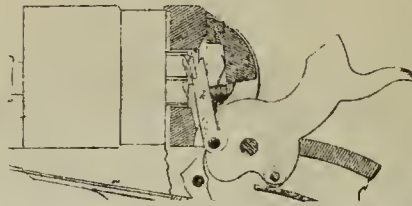


WILLIAM V. PERRY,
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117.453

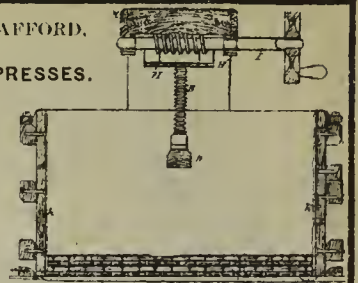


117.461 CHARLES B. RICHARDS,
REVOLVING FIRE-ARMS.



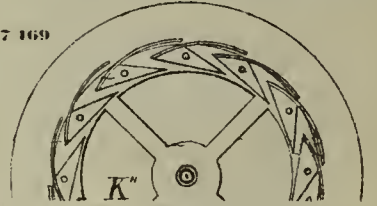
MARK SAFFORD,
SCREW-PRESSES.

117.468



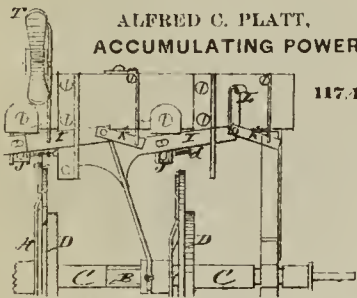
DANIEL SANDOE, WATER-WHEELS.

117.469



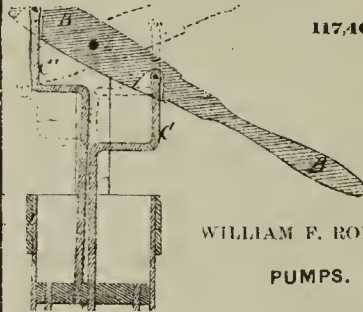
ALFRED C. PLATT,
ACCUMULATING POWER.

117.454



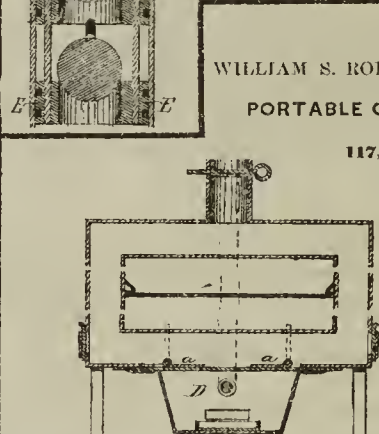
WILLIAM F. ROBINSON,
PUMPS.

117.463



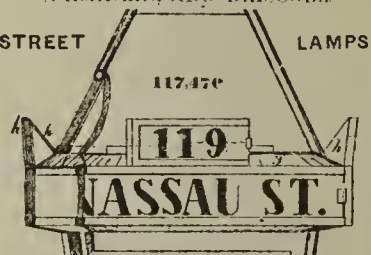
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PORTABLE OVENS.

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SCHMIDLIN, AND DRISCOLL,
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117.470



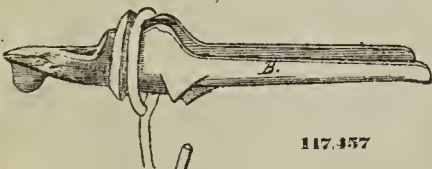
THOMAS G. PORTER,
DUSTING-BRUSHES.

117.456



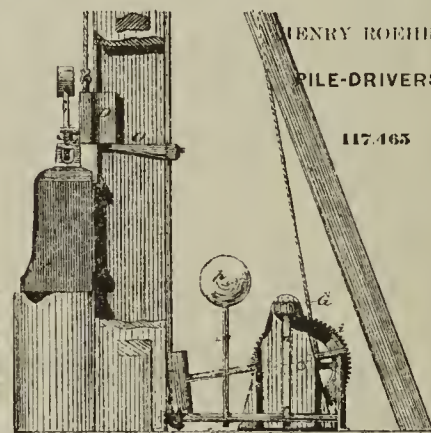
CHARLES C. POST, SAP-SPOUTS.

117.457



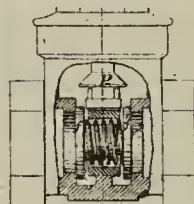
HENRY ROEHRS,
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117.465



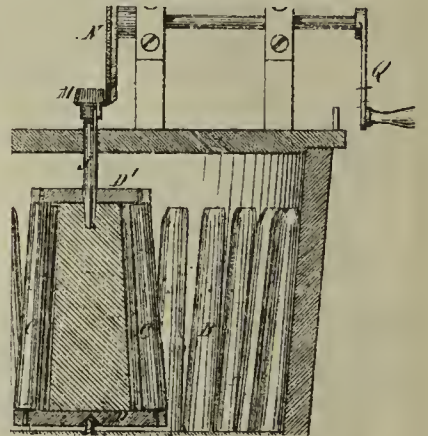
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117.466



CHARLES T. SILDBOLT,
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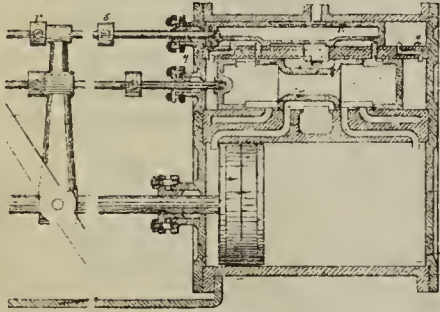


GILLUM SHELTON,
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THE SOIL.

117.473

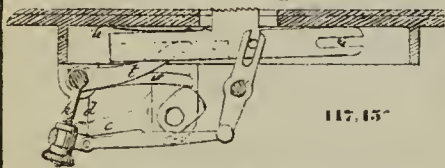


117.458 ELTING POST, STEAM-ENGINES.



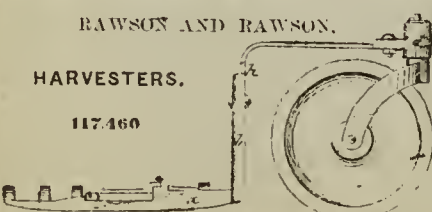
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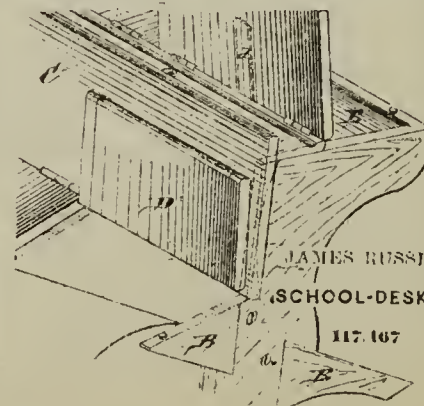
RAWSON AND RAWSON,
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117.460



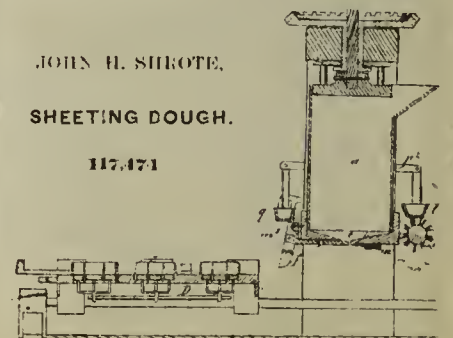
JAMES RUSSEL,
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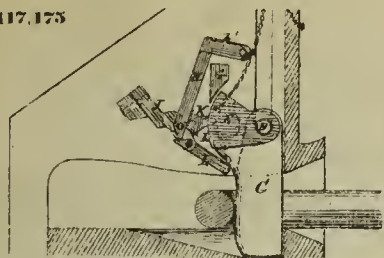
JOHN H. SHROTE,
SHEETING DOUGH.

117.471



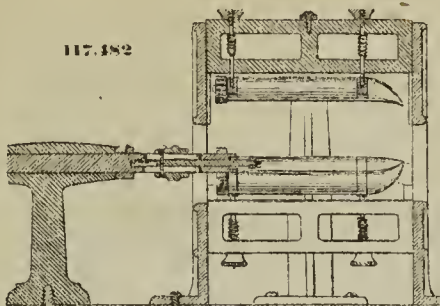
THEODORE WARREN SPARKS,
CAR-COUPPLINGS.

117.475



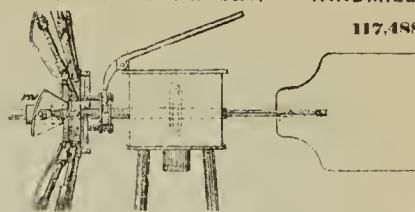
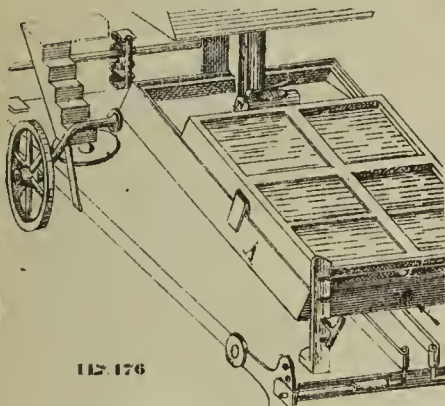
GEORGE W. TANNER. CIGAR-MACHINES.

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THOMAS S. VAN DEVORT. WINDMILLS.

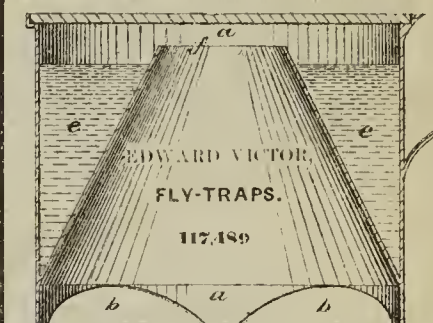
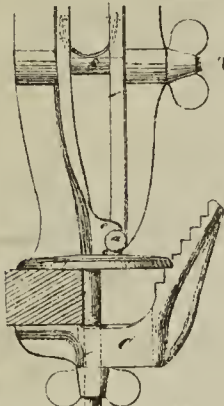
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EBENEZER SPERRY,
COOKING APPARATUS.

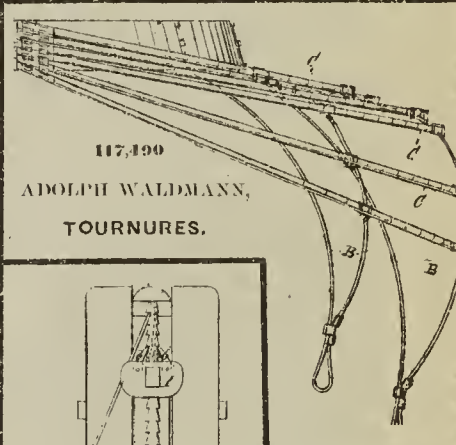
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THEODORE TERRELL,
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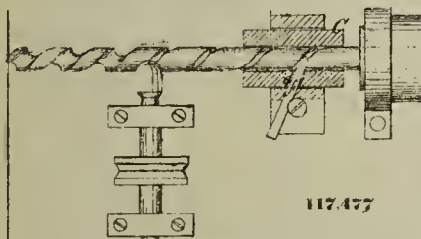
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EDWARD VICTOR,
FLY-TRAPS.

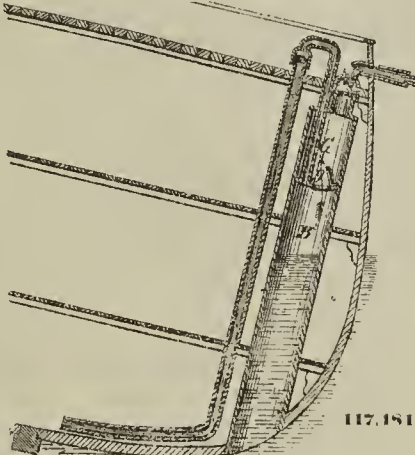
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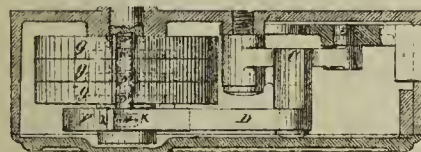
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ADOLPH WALDMANN,
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TURNING SPIRAL MOLDINGS.

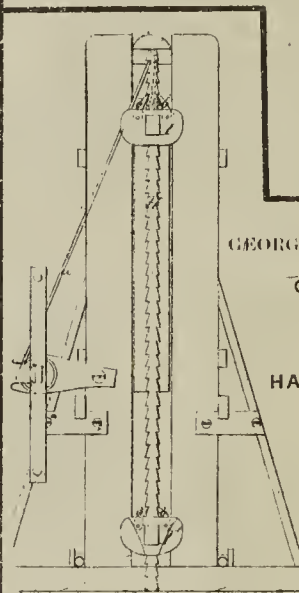
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WILLIAM FITZ JAMES THIERS,
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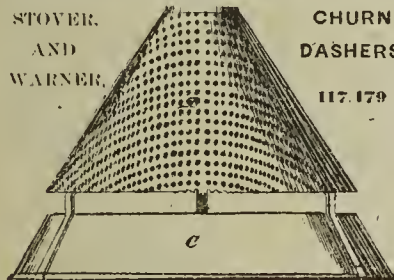
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117.478 EMORY STOCKWELL,
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AND
HAY-PRESSES.

117.491

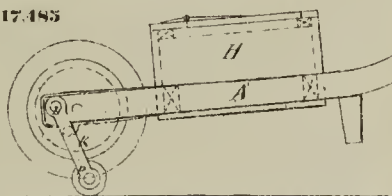
STOVER,
AND
WARNER. CHURN
DASHERS.

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ADOLPHE TOURNIER. GARDEN-TOOLS

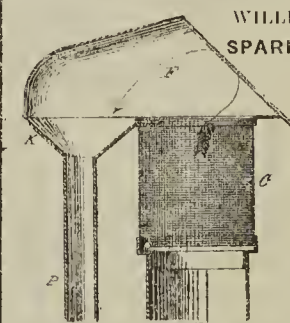
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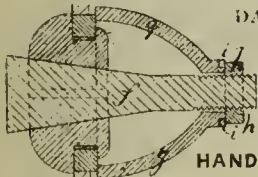
WILLIAM A. WEST,
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DANIEL SULLIVAN,

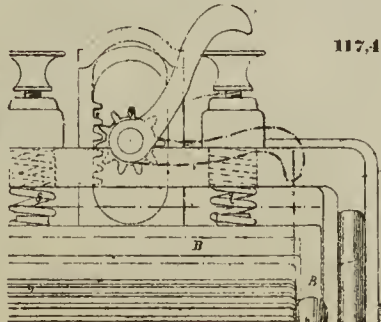
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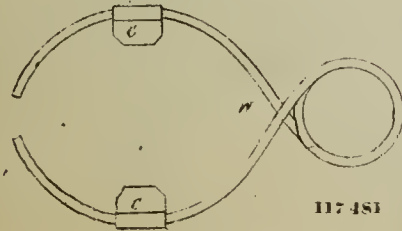
HAND-HOLE STOPPERS

THEODORE M. TUCKER,
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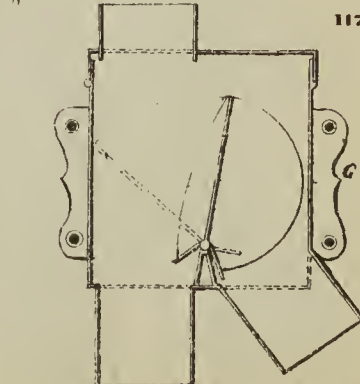
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NATHANIEL H. TALBOT,
BLACKING-BOX HOLDERS.

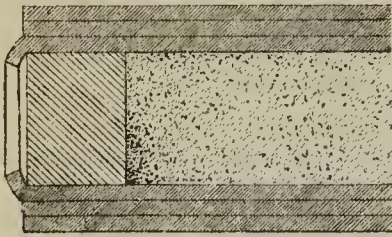
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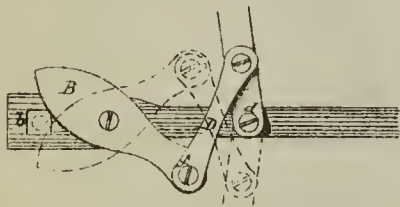
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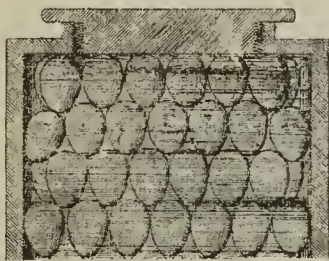
ELBRIDGE WHEELER.
REDUCING DIAMETERS OF TUBINGS.
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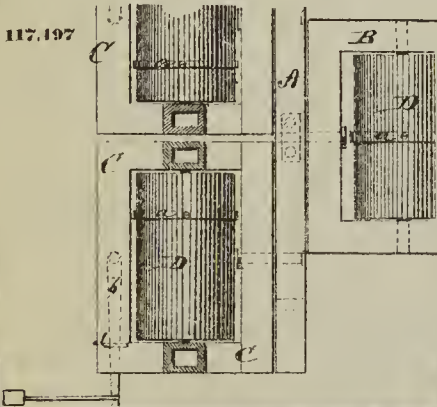
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HENDERSON WILLARD,
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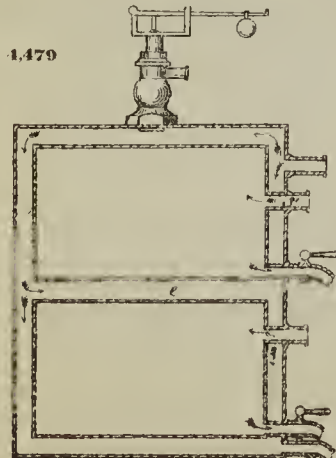
WILLIAM WIMER,
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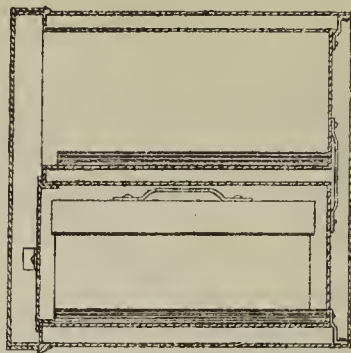
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JAMES A. WOODBURY,
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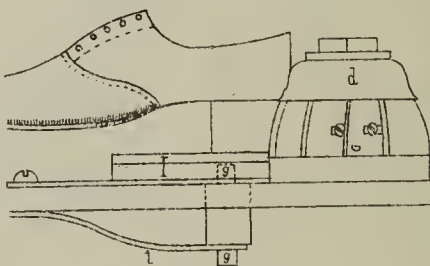
JOHN ASHCROFT, TREATING COFFEE.



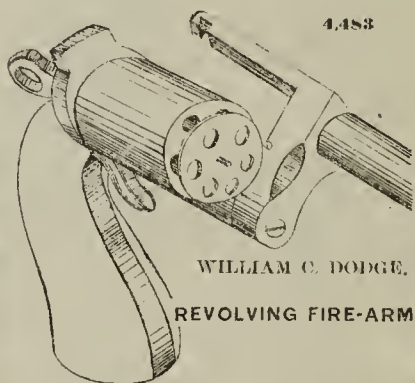
1,480
JOHN ASHCROFT,
TREATING COFFEE.



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EBEN J. BEANE,
TRIMMING-MACHINES.

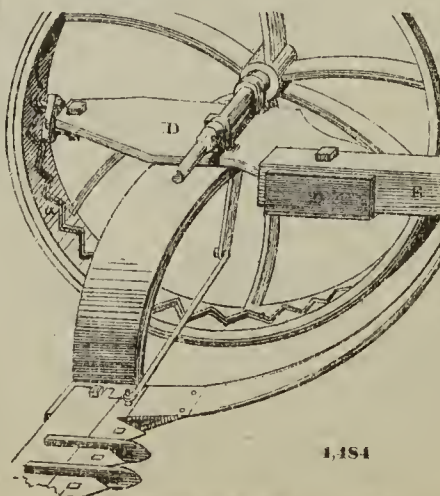


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THOMAS W. BRADIER,
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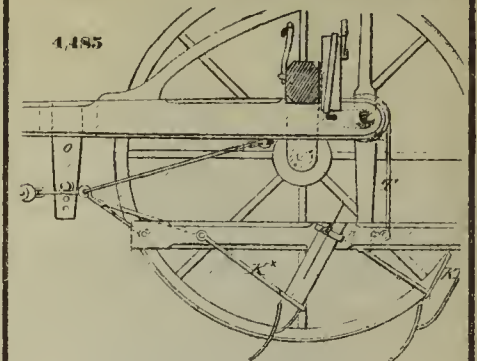


WILLIAM C. DODGE,
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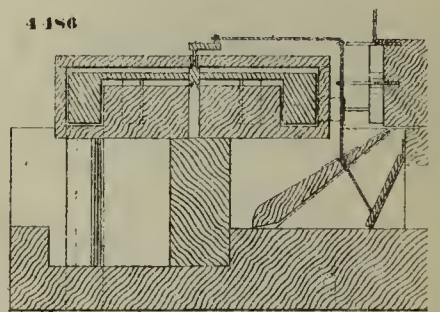
WILLIAM F. KETCHUM, HARVESTERS.



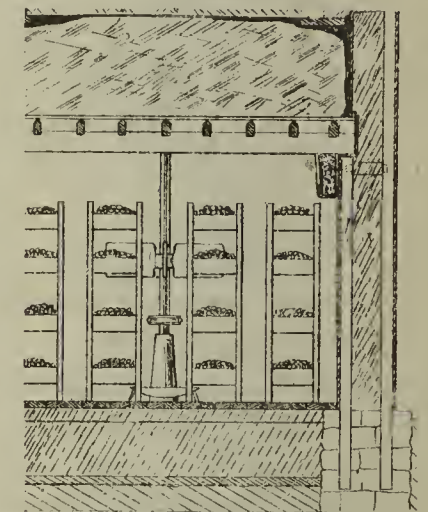
ALONZO KINYON, CORN-CULTIVATORS.



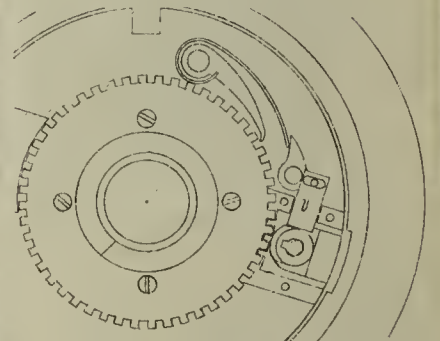
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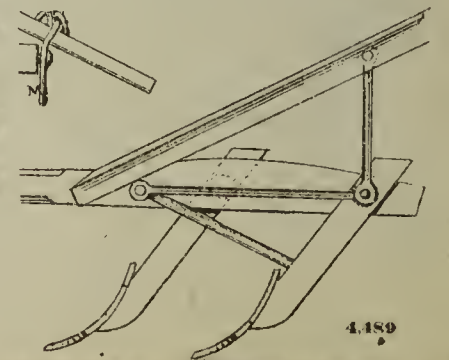
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PRESERVING FRUITS



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GEORGE ROSNER,
PERMUTATION LOCKS.



WILLIAM S. WEIR, CULTIVATORS.



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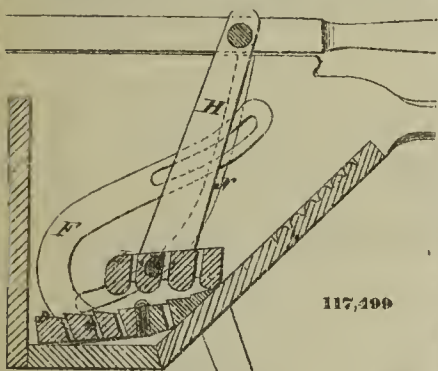
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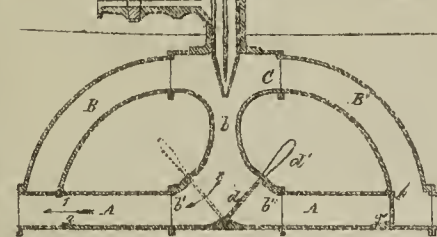
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ISAAC H. ADAMS, WASHING-MACHINES.



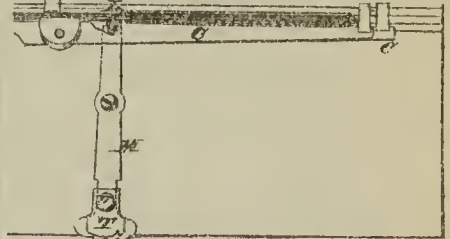
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BARBARIN AND ALBRECHT, HYDRAULIC MOTORS.

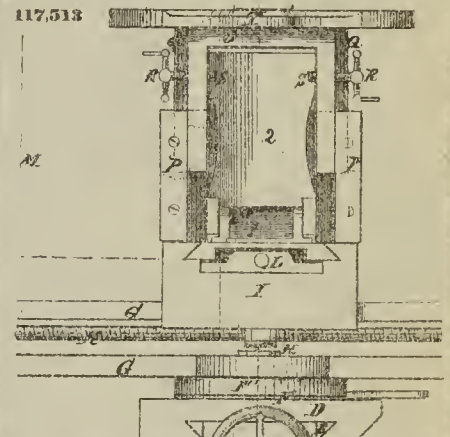


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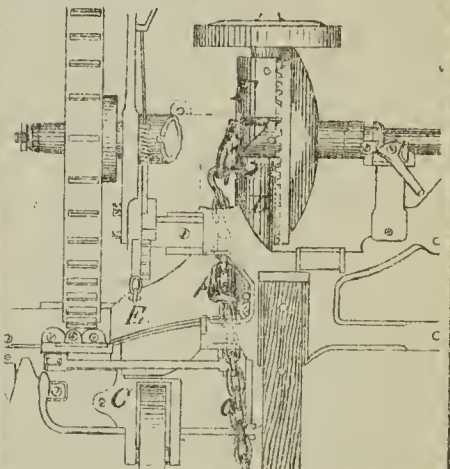
117,511 RUSH AND McCOMB, MUSIC-LEAF TURNERS.



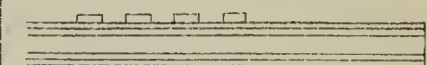
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117,514 CHARLES CLAPP, IMPROVEMENT IN HARVESTERS.

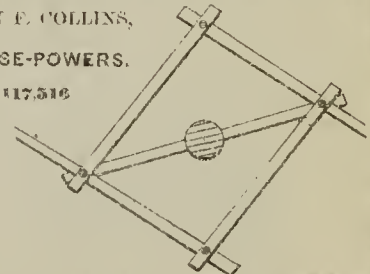


117,515 WILLIAM EARLY COATES, SADDLE-IRON HOLDERS.



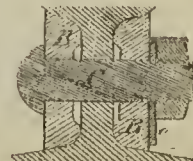
JOHN F. COLLINS, HORSE-POWERS.

117,516



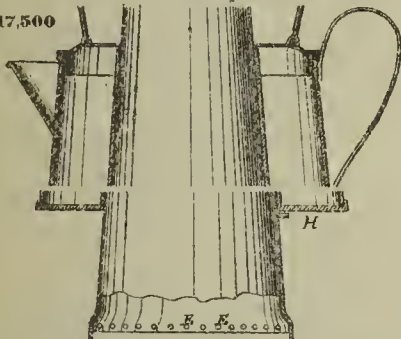
JAMES M. CONNELL, NUT-LOCKS.

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EDWARD DAVID ASHE, LAMP-CHIMNEYS.

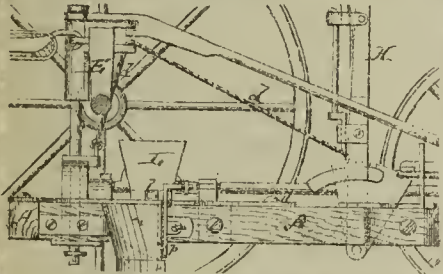
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117,501 SAMUEL BARBUTT, AWLS.



117,502 BARNEY BAKER, SEED-PLANTERS.

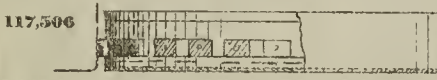


BARBARIN AND ALBRECHT, 117,505 HYDRAULIC MOTORS.

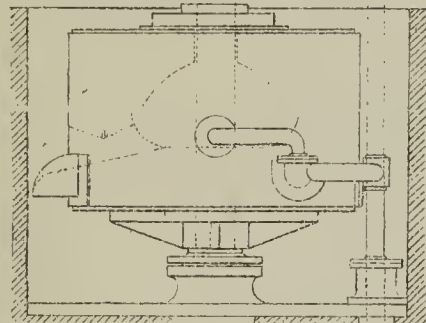


SAMUEL BEATTY, HAT-VENTILATORS.

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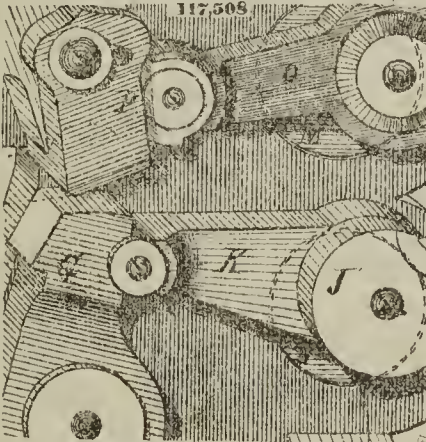


117,507 HENRY BESSEMER, TREATMENT OF CRUDE OR PIG-IRONS.



BOON, ORSBORN, AND GEER, TURNING CALKS OF HORSESHOES.

117,508



HENRY E. BRAUNFELD, FOLDING CHAIRS.

117,509



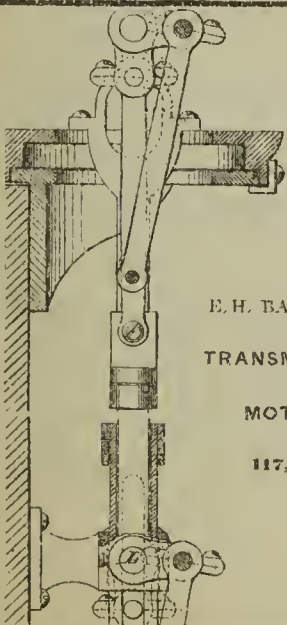
BENJAMIN F. BROWN, POWDER-BOXES.

117,510

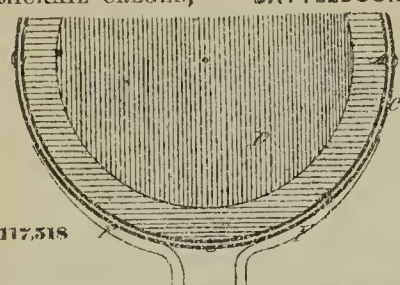


E. H. BANCROFT, TRANSMITTING MOTION.

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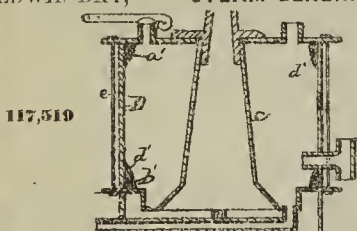


MICKAIL OREGEN, BATTLEDOORS.



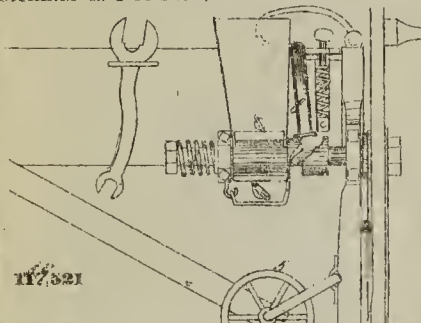
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EDWIN DAY, STEAM-GENERATORS.



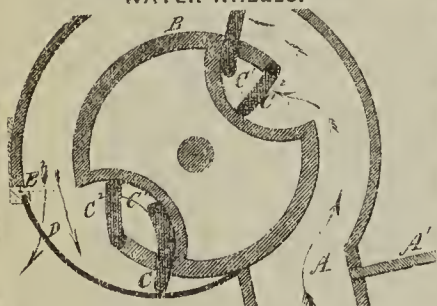
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CARLES R. DONNER, FEED-CUTTERS.

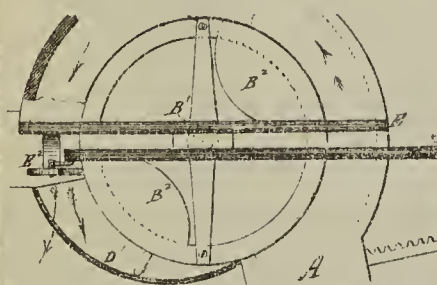


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DORAN AND SORTMAN, WATER-WHEELS.

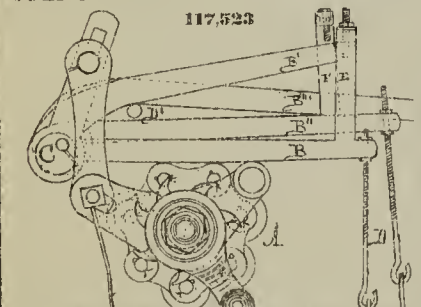


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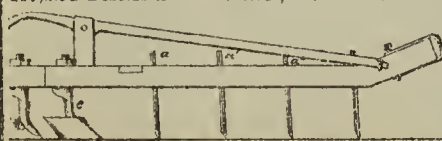


JOHN DYSON, SHUTTLE DROP-BOX

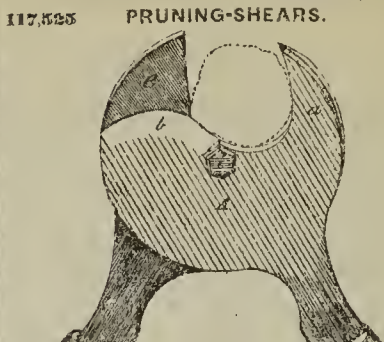
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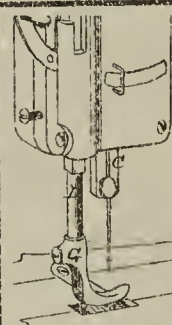
117521 DANIEL EDELMAN, CULTIVATORS.



CHARLES H. EGGLESTON, PRUNING-SHEARS.



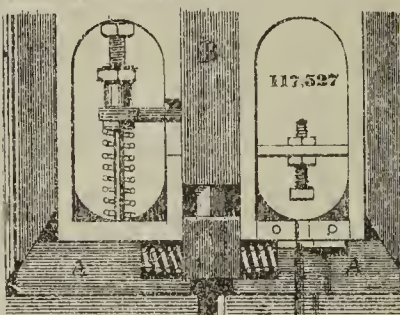
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JOHN V. D. ELDRIDGE, SEWING-MACHINES.

117526

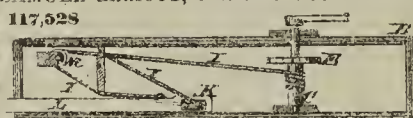
PHILIP ELEY, MACHINES FOR HEADING BOLTS.



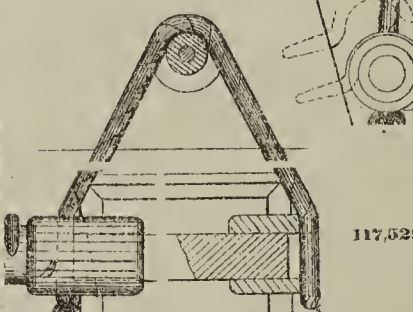
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SAMUEL ELLIOTT, CARPET-STRETCHERS

117528



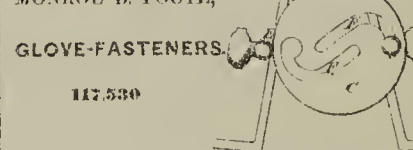
ALBERT A. FIELDING, DEVICES FOR HANGING PICTURES,



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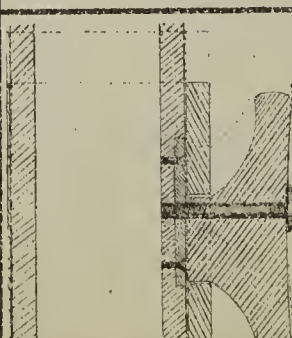
MONROE B. FOOTE, GLOVE-FASTENERS

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JOHN O. FROST,

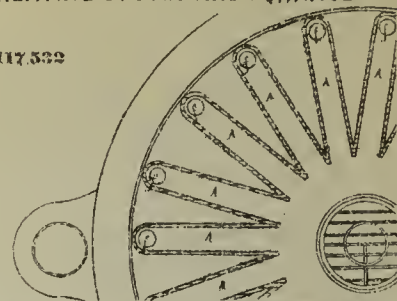
GRA V-SPOUT.



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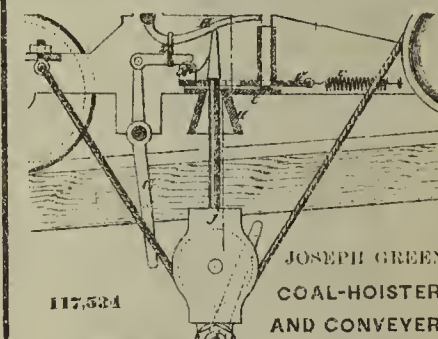
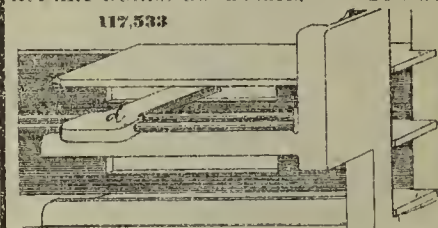
STEPHEN J. GOLD, HEATING-STOVES AND FURNACES.

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ROBERT BURNS GOODYEAR, LOOMS.

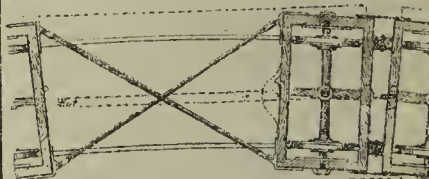
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JOSEPH GREEN, COAL-HOISTERS AND CONVEYERS.

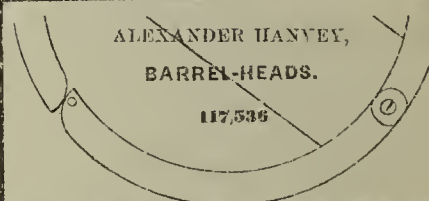
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117535 JOHN WILLIAM GROVER, ROLLING-STOCK OF RAILWAYS.



ALEXANDER HANVEY, BARREL-HEADS.

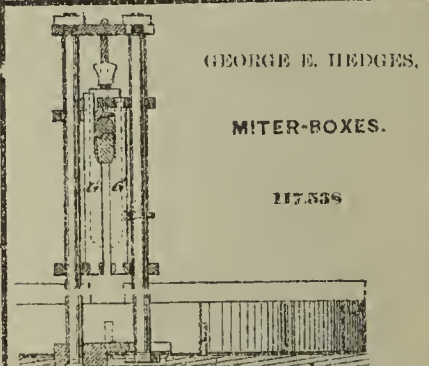
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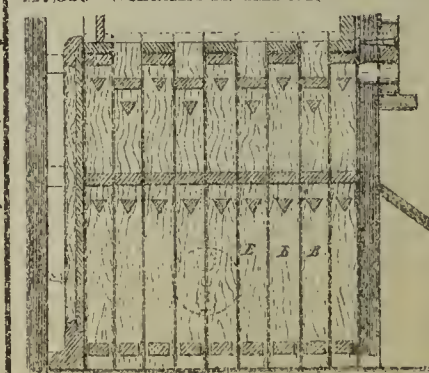
GEORGE E. HEDGES,

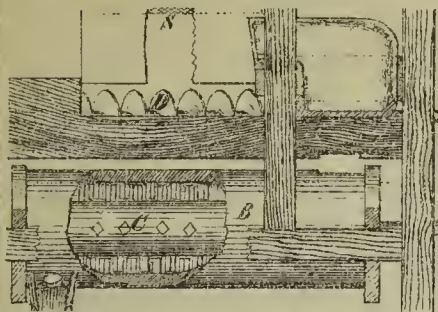
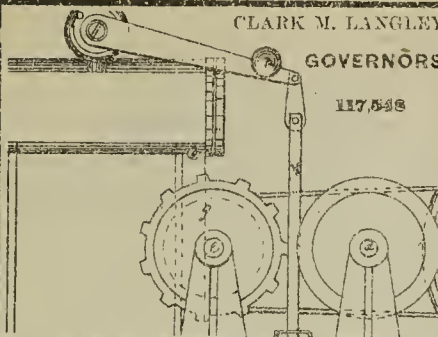
MITER-BOXES.

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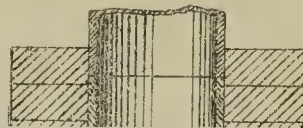
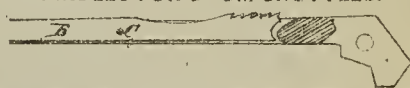
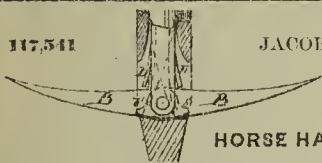
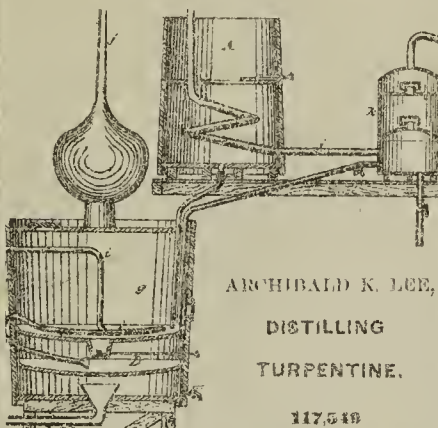


117539 WILLIAM M. HENRY, BEE-HIVES.

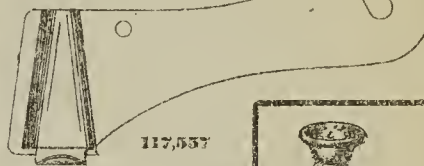


117540 SAMUEL H. HINSDALL,
MORTAR-MACHINES.CLARK M. LANGLEY,
GOVERNORS

117555 SAMUEL M. MCCORD, CHIMNEYS.

117556 ALBERT MORTON,
SPINDLES FOR LOOM-SHUTTLES.117541 JACOB RUY,
HORSE HAY-FORKS.117542 WILLIAM WHEATEN JILZ,
EARTH-BORING AUGERS.ARCHIBALD K. LEE,
DISTILLING
TURPENTINE.

117548

HERMAN MOSCHCOWITZ,
SEWING-MACHINES.

117557

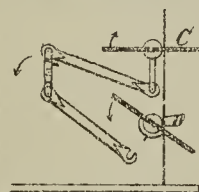
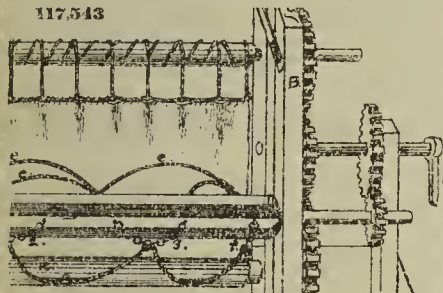
SAMUEL PATTERSON,

TOYS.

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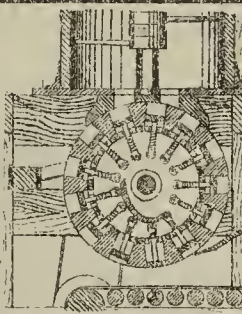
JORDAN, AND JORDAN
CARPET-BEATING MACHINES.

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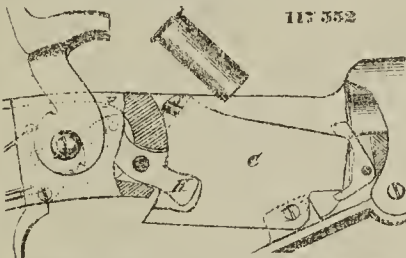
JOHN R. LOMAS,
TREMOLOS.

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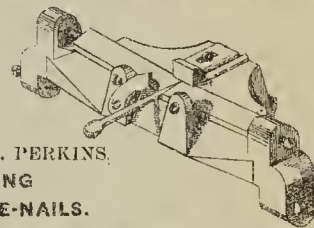
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MACHEN
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BREECH-LOADING FIRE-ARMS.

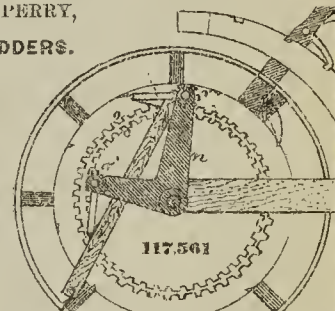
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CHARLES H. PERKINS,
POINTING
HORSESHOE-NAILS.JOHN G. PERRY,
HAY-TEDDERS.

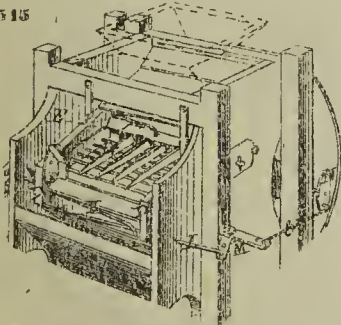
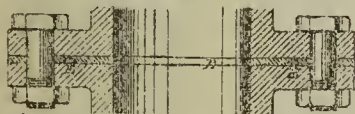
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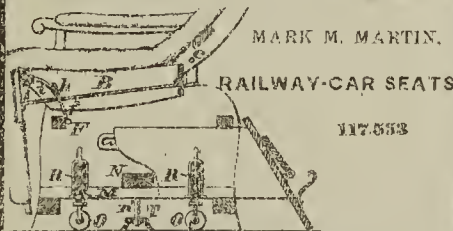
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EBENEZER L. KELLY, GRAIN-SEPARATOR.

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117546 FREDERICK KIDLER,
RUBBER AND COPPER-WIRE JOINTS.

MARK M. MARTIN.



RAILWAY-CAR SEATS.

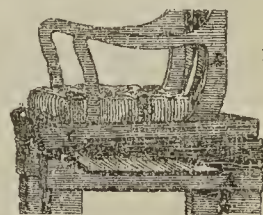
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THOMAS J. PETTIT,
HOSE-CLASPS.

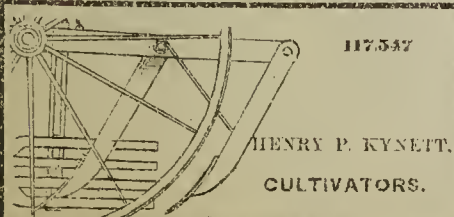
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GEORGE W. PHILLIPS
BUTTONS.

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JONATHAN E. PITCHER,
COMBINED CHAIRS AND BEDS.

117565



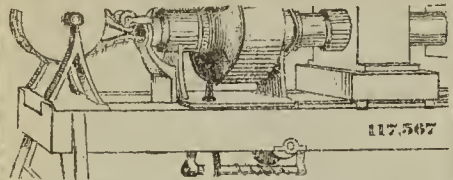
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HENRY P. KYNETT,
CULTIVATORS.

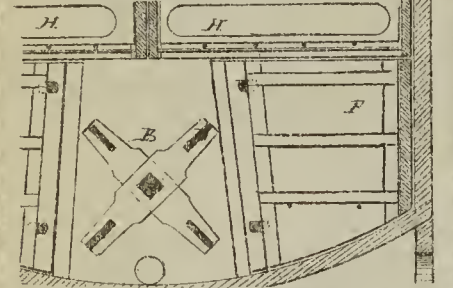
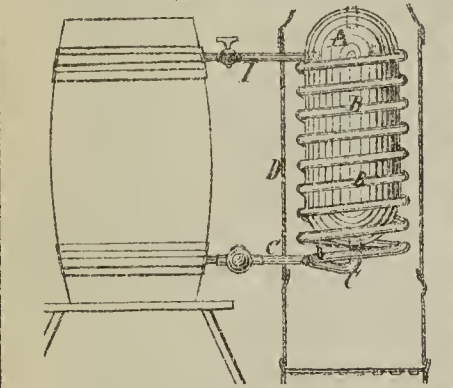
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JOSEPH MATTHIAS,
WASHING-MACHINES.117566 THOMAS J. PLUNKET,
GRIPERS FOR PRINTING-PRESSES.

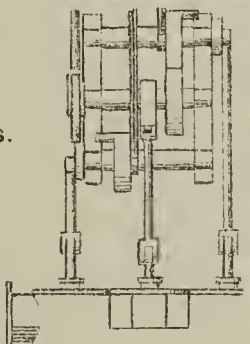
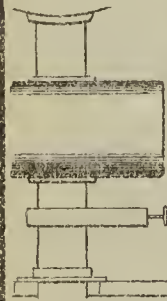
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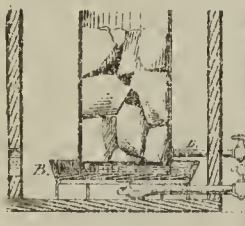
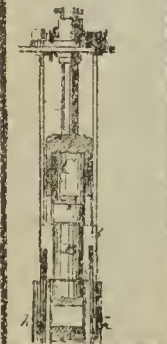
117,587

117,568 HARRIET C. ROBERTSON,
DISH-WASHING MACHINES.HENRY M. RULON AND JESSE F. RULON,
117,569 STEAM-GENERATORS.HORACE SEE,
VALVE-GEARS.

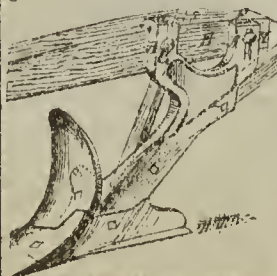
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N. SHERMAN,
BLOW-OFF PIPES.
117,571BENJAMIN F. SMITH,
VENTILATING
APPARATUS.

117,572

HUGO SONTAG,
ROCK-DRILLS.
117,573P. H. STARKE,
PLOWS.

117,574

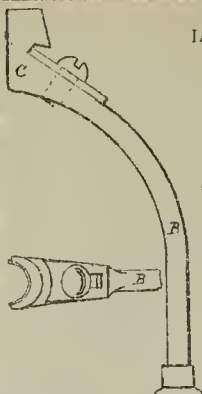
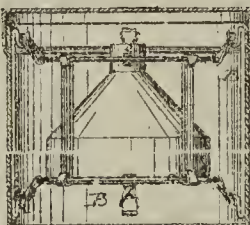
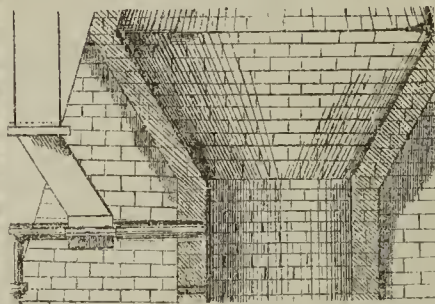


LE-ROY A. SWEATT,

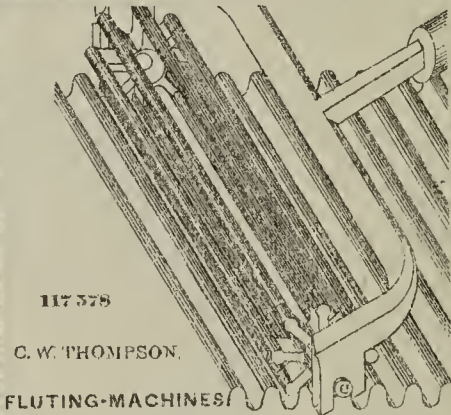
TOOLS
FOR

ROUNDING LEATHER.

117,575

117,576 FRANCIS DANIEL TAYLOR,
MANUFACTURE OF IRON.JACOB TAYLOR,
CANS
FOR
NITRO-GLYCERINE.

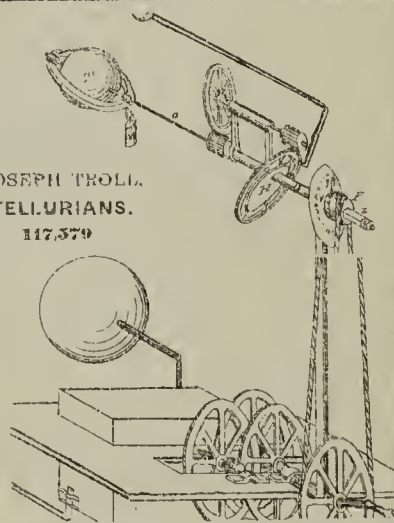
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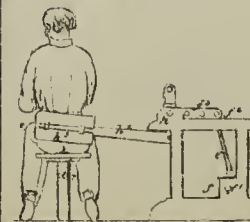
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C. W. THOMPSON,

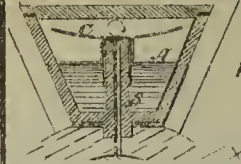
FLUTING-MACHINES.

JOSEPH TROLL,
TELLURIANS.
117,579DAVID WARK,
MOVEMENT-CURE
APPARATUS.

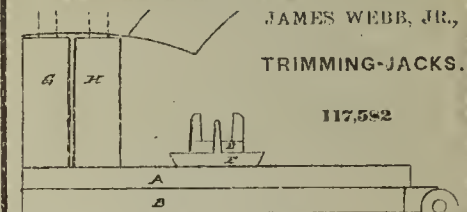
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HENRY S. WEAVER,
AXLE-LUBRICATORS.

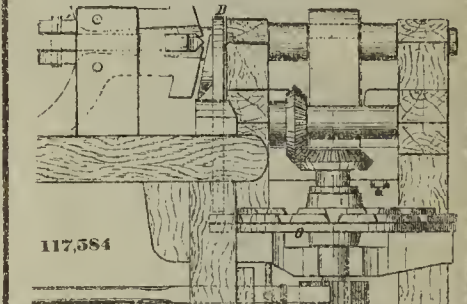
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JAMES WEBB, JR.,
TRIMMING-JACKS.

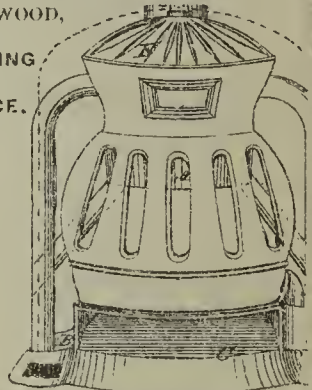
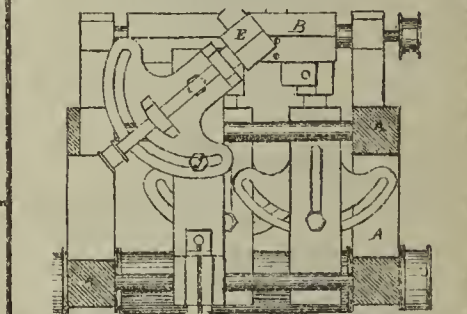
117,582

HARRY A. WILLS,
POINTING HORSESHOE-NAILS.

117,584

WILLIAM E. WOOD,
BASE-BURNING
FIRE-PLACE.

117,585

117,586 JAMES A. WOODRURY,
MOLDING-MACHINES.

117,587 GEORGE W. WOODRUFF, ORGANS.



117,588 JUSTUS O. WOODS, RIPPING-TOOLS.

JOHN PRICE ANDERSON,
MACHINES
FOR

SLICING CANDY, &c.

117,589



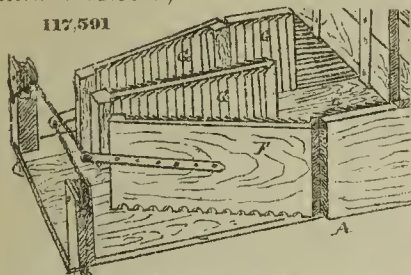


GEORGE W. ANESLEY,
PRUNING-SHEARS.

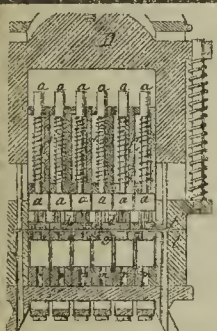
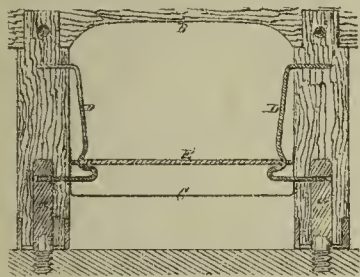
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AIME N. N. AUBIN,
PEAT-WRINGERS.

117,591



117,592 AMOS BACHELDER, FLAT-IRONS.

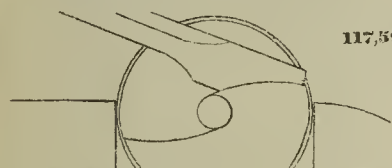


EVERETT H. BARNEY,

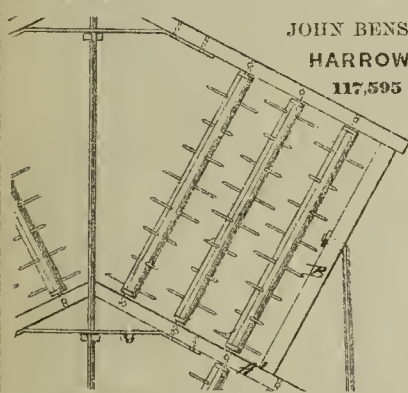
HAND-STAMPS.

117,593

CHARLES W. BEALS,
RESETTING OLD AUGER-BITS.



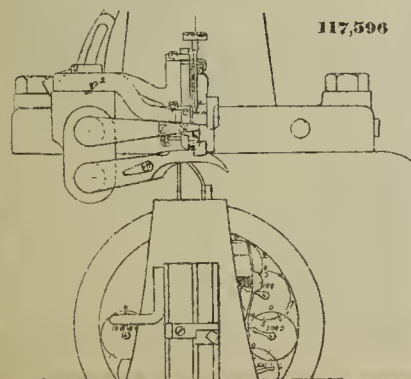
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JOHN BENSON,
HARROWS.

117,595

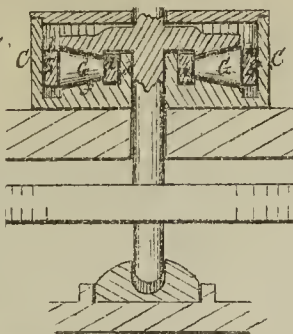
LYMAN R. BLAKE, SEWING-MACHINES.



117,596

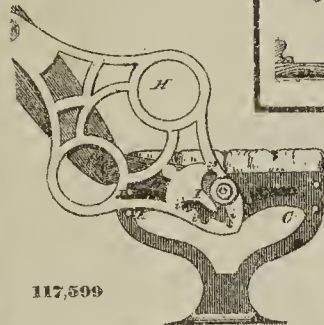
MARTIN BRIGGS,
BEARINGS FOR VERTICAL SHAFTS.

117,597



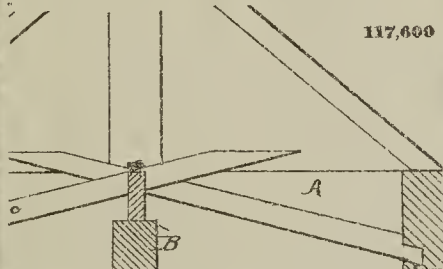
BROWN AND CAMPBELL,
SIGNALING APPARATUS
FOR RAILWAYS.

BUCK AND LOVETT,
SEATS
FOR RAILWAY CARS.



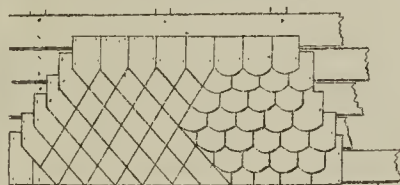
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CHARLES CATON,
RAILWAY CATTLE-GUARDS.

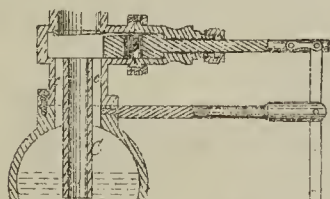


117,600

117,601 CHARLES W. CHAFFEE,
WATER-PROOF ROOFINGS.



117,602 RUFUS B. CHAPMAN,
DIP-PIPES OF GAS APPARATUS.



HARRY D. COOK, METALLIC ROOFINGS.

117,605



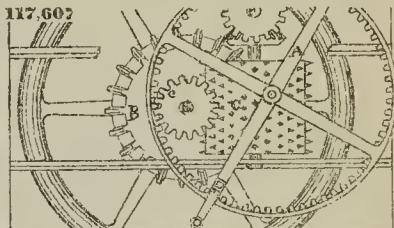
WILLIAM SAMUEL COOPER,
SUPPLY AND WASTE-COCKS.

117,606

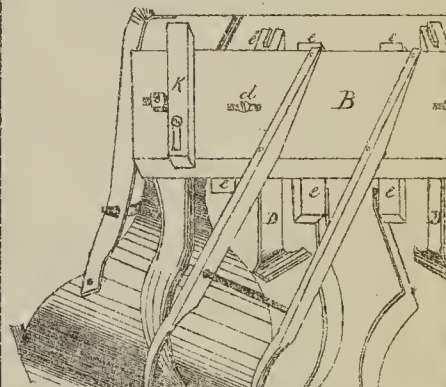


HARMON W. CORNELL, CORN-SHELLERS.

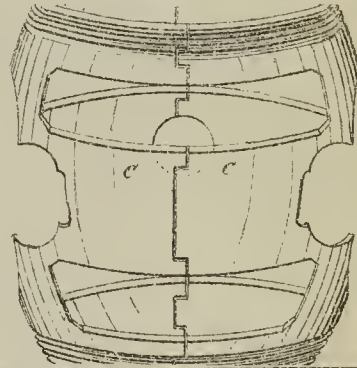
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117,608 SIMON A. CUMMINS, PLOWS.

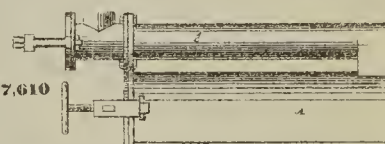


117,609 JOHN B. DAVIDS, MALLETS.

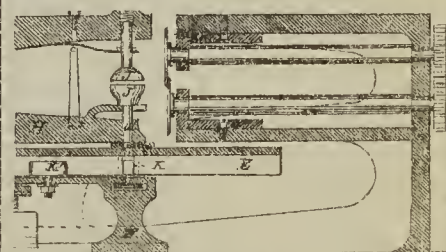


DARJUS DAVISON, GAS-RETORTS.

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117,611 DEEDS AND BRADWAY,
CIRCULAR AND ELLIPTICAL CUTTERS.

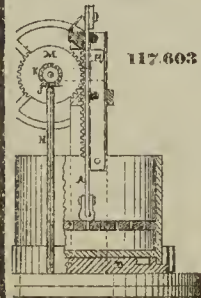


117,612 IRA DIMOCK, QUILLS FOR SILK.



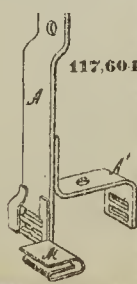
JAMES M. CLARK,
WASHING
MACHINES.

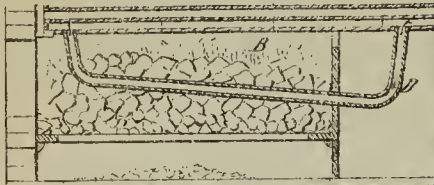
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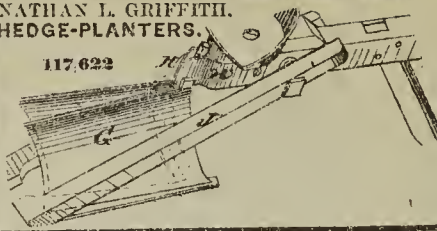
ASA F. COLBY,
HEMMERS FOR
SEWING-MACHINES.

117,604

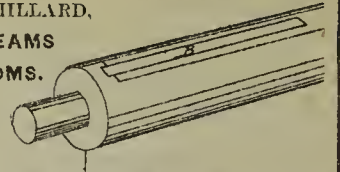
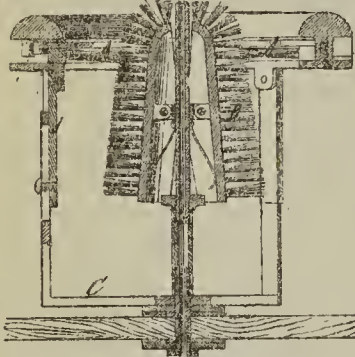


117,613 EMERY AND DOYEN,
STEAM-GENERATORS.NATHAN L. GRIFFITH,
HEDGE-PLANTERS.

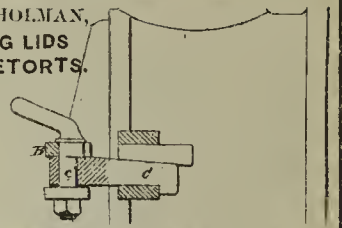
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JAMES P. HILLARD,
CLOTH-BEAMS
FOR LOOMS.

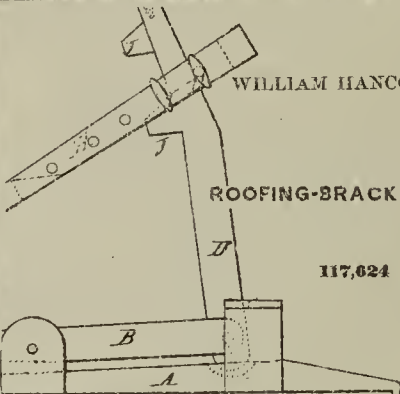
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117,614 ADOLPH FISCHER,
BRUSHES FOR CLEANING TUMBLERS.117,623 CORNELIUS HAMLER,
SCYTHE-FASTENINGS.STEPHEN HOLMAN,
SECURING LIDS
TO GAS-RETORTS.

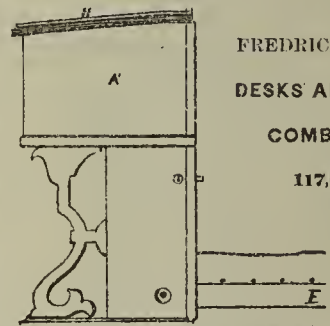
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WILLIAM HANCOCK,
ROOFING-BRACKETS.

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FREDRICH HOPF,
DESKS AND BEDS
COMBINED.

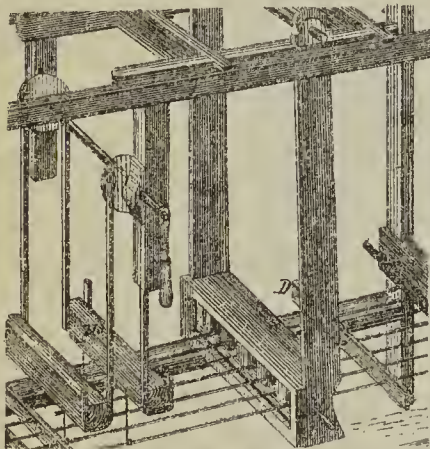
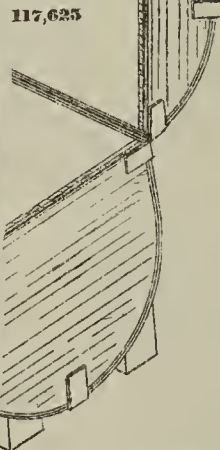
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WILLIAM FORKER,
REAMERS FOR OIL-WELLS.

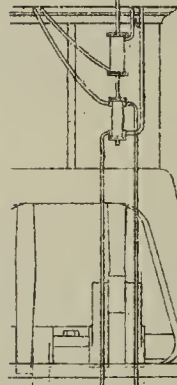
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JACOB G. FRICK,
LOOMS.

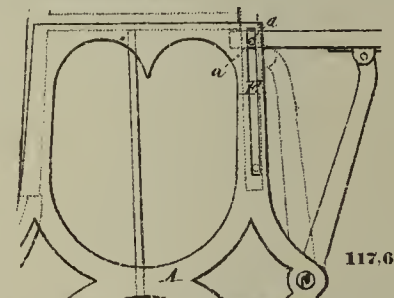
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THOMAS HANVEY,
TRUNKS.J. F. HASKINS,
SUPPLYING
WATER
TO AIR-PUMPS.

117,626

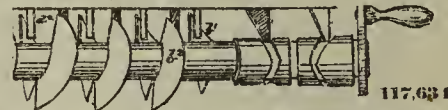


A. OGDEN HUFFMAN, SCHOOL-DESKS.



117,633

HULBERT AND AUBIN, PEAT-ELEVATORS.



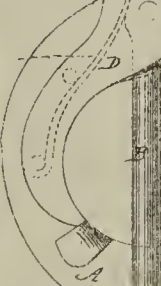
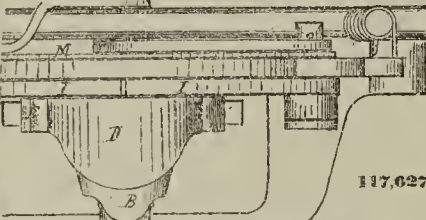
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JOHN GIBSON, JR.,
TEA-KETTLES.

117,617

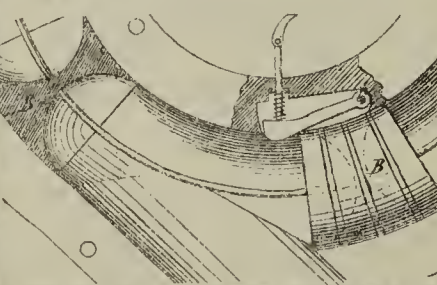
IVES GLOVER,
OX-BOW PINS.

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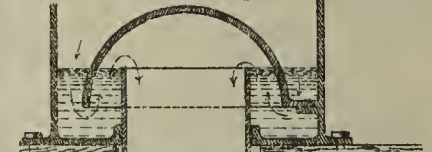
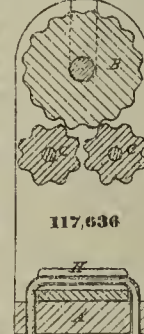
JESSE W. BATCH,
CRIMPING THE STIFFENINGS OF BOOTS AND SHOES.

117,627

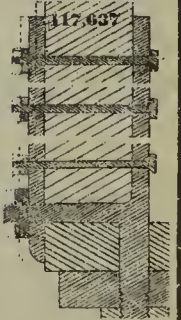
117,628 HENRY B. HEBERT, FLUID-METERS.



117,635 JOHN G. ILS, SLOP-HOPPERS.

EDMUND JENNINGS,
WASHING-MACHINES.

117,636

JENS JENSEN,
STANDARDS
FOR WAGONS.

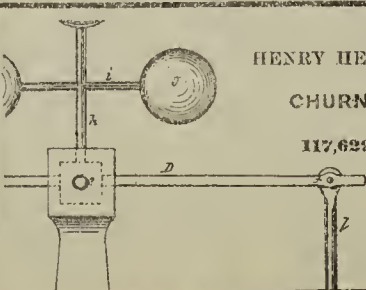
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HENRY I. GODWIN,
DASH-BOARDS

117,619

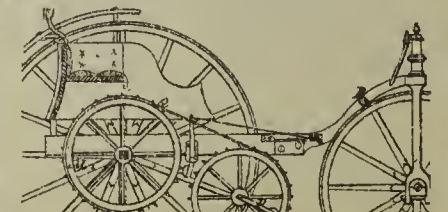
W. M. GREEN,
RAZOR-STROPS.

117,621

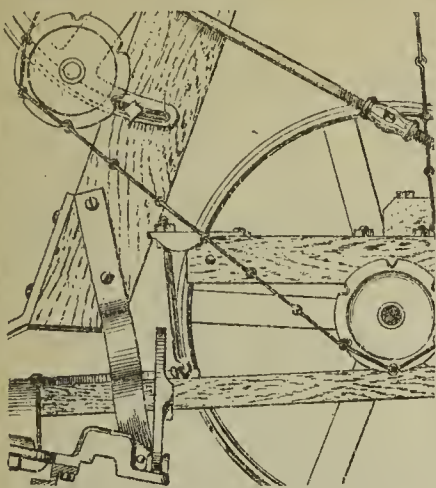
HENRY HENSEL,
CHURNS.

117,629

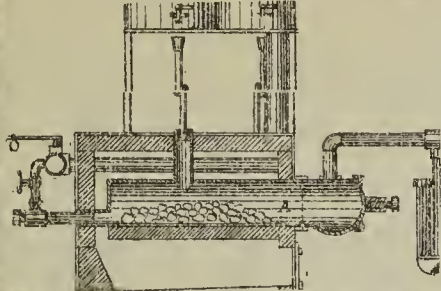
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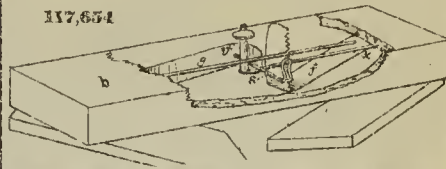
WILLIAM NEVINS JOHNSON,
117,639 HARVESTERS.



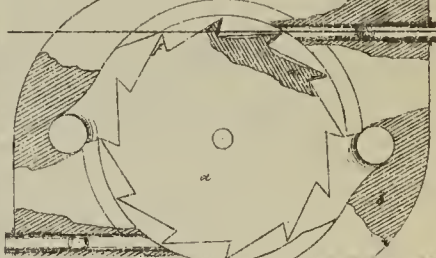
FERDINAND KING,
117,645 MANUFACTURE OF
ILLUMINATING-GASES.



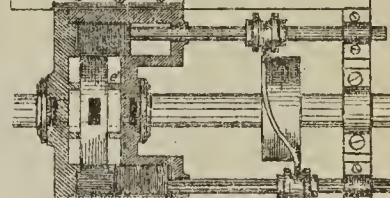
ANDREW McFALL,
117,651 BOOK-HOLDERS AND LEAF-TURNERS.



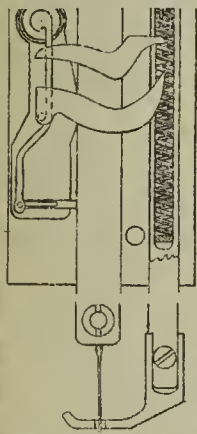
JOHN MCGOWAN, ROTARY ENGINES.
117,655



JOHN MCGOWAN, ROTARY ENGINES.
117,656



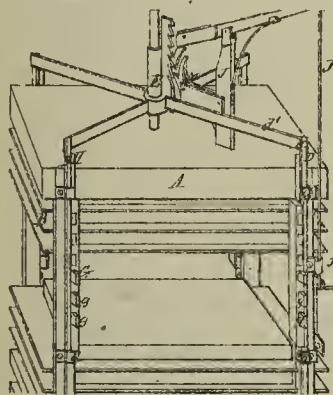
JOHN T. JONES,
117,640 SEWING-MACHINES.



JAMES A. KNETZER,
117,646 CORN-PLANTERS.



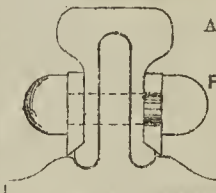
AGUR JUDSON,
117,641 OIL-PRESSES.



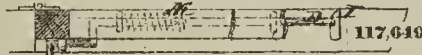
GUSTAV LIEBERKNECHT,
117,649 APPARATUS
FOR ARRANGING HAIRS.



ALMERON MCKENNEY,
117,657 DEVICES
FOR LOCKING-BOLTS.

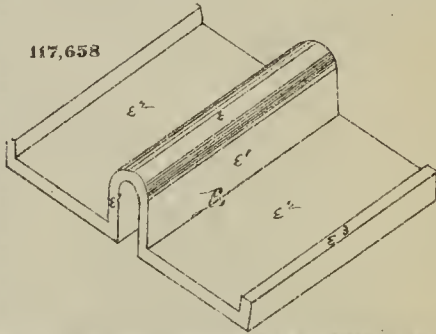


AUGUSTUS S. LESUER,
117,640 BLIND-FASTENINGS.

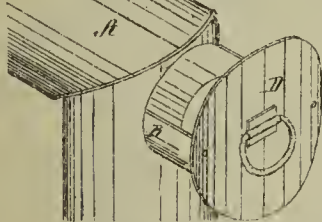


ALMERON MCKENNEY, RAILWAY RAILS.

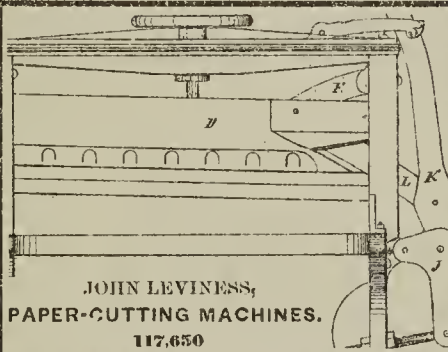
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JAMES F. KELLOGG,
117,642 STOVE-PIPE CLEANERS.

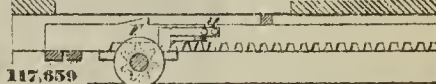


JOHN LEVINSS,
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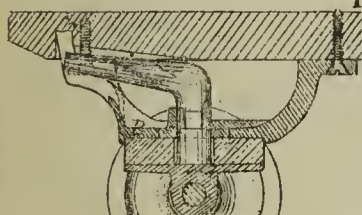


JOHN J. MCKNIGHT, EXTENSION TABLES.

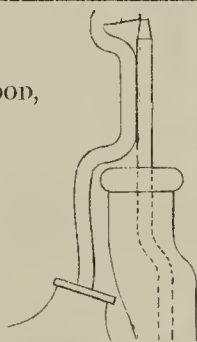
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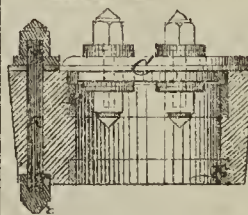
DAVID KERR AND ASA E. HOVEY,
117,643 PARLOR-SKATES.



HAMILTON D. LOCKWOOD,
117,651 ATOMIZERS.



DAVID METZ,
117,661 PUMP-VALVES.



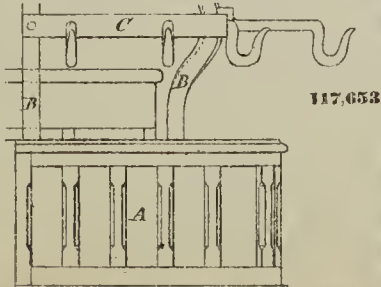
JAMES G. MINER,
117,662 PLOWS.



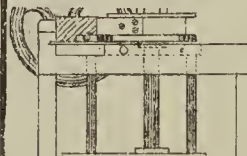
JOHN KIMBALL,
117,644 TENSION APPARATUS.



JAMES McCANDLESS, MARKET-STALLS, &c.



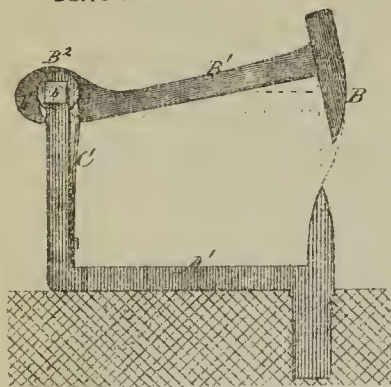
LEVI E. MINOTT,
117,663 WOOD-BENDING
MACHINES.



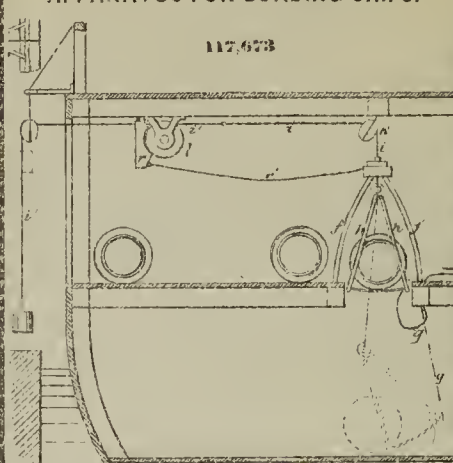
LEVI E. MINOTT,
117,661 RETAINING-STRAPS.



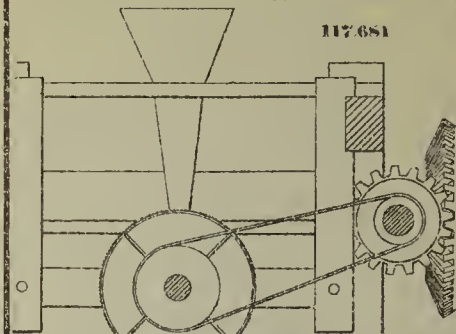
CHARLES F. MOORE, 117,665
BLACKSMITHS' HARDIES.



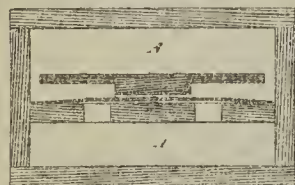
FRANCIS PATERSON,
APPARATUS FOR LOADING SHIPS.



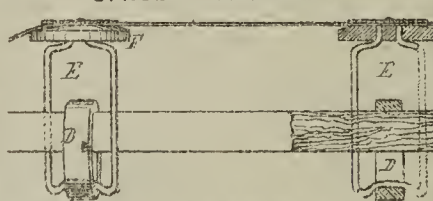
NEHEMIAH REECE,
MACHINES FOR CLEANING GRAIN.



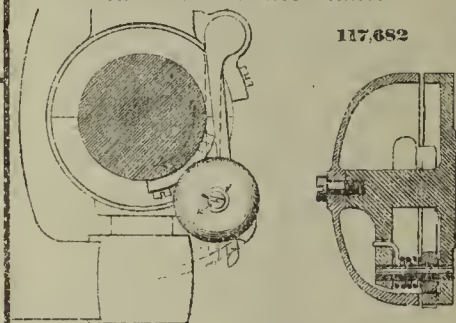
117,666 ELIAS P. NEEDHAM, TREMOLO.



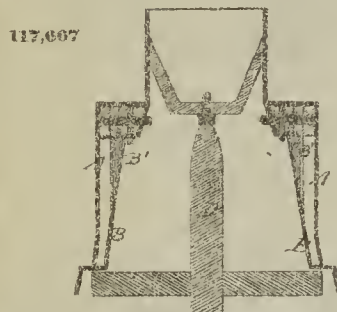
117,671 CHARLES E. PATRIC,
UPHOLSTERY SPRINGS.



CHARLES B. RICHARDS,
BEARINGS FOR MACHINERY.



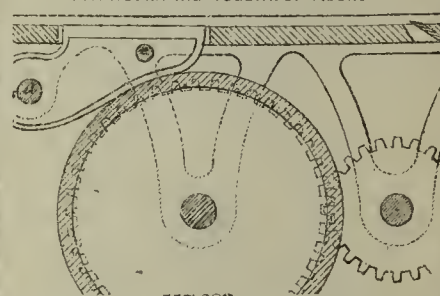
NORDYKE AND MARION,
GRINDING-MILLS.



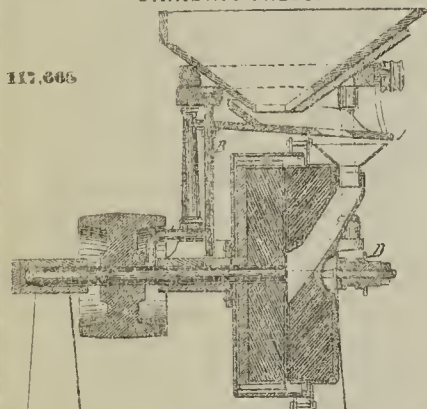
JOHN L. PEAKE,
STEAM-HEATERS.



WILLIAM RIDDELL,
DISINTEGRATING VEGETABLE FIBERS.



NORDYKE AND MARION,
GRINDING-MILLS.



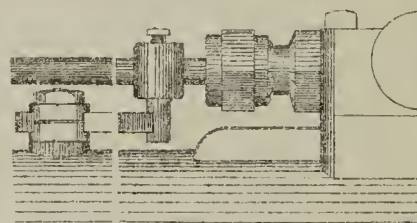
HORATIO L. PETTIC, SPINNING-RINGS.



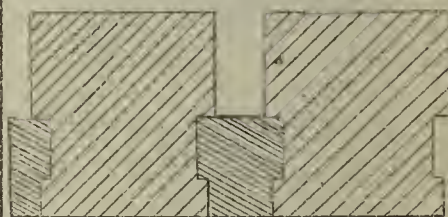
117,677 DAVID PFOUTS, FILE-HANDLES.



117,678 GEORGE PHILLIPS,
ROCK-DRILLING ENGINES.



117,685 EDWARD A. L. ROBERTS,
WOOD AND CONCRETE PAVEMENTS.



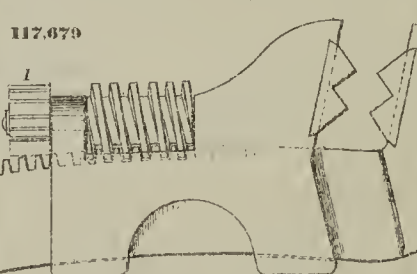
117,669 THOMAS K. OBER,
HEMMERS FOR SEWING-MACHINES.



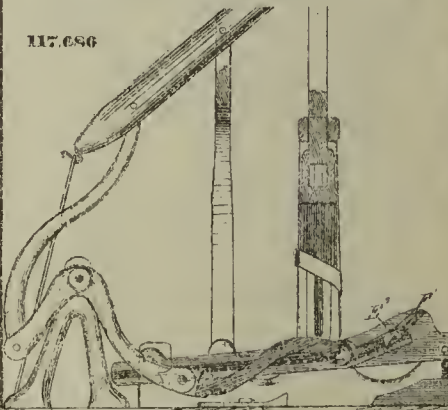
CHARLES M. O'HARA,
CORN-HUSKERS.



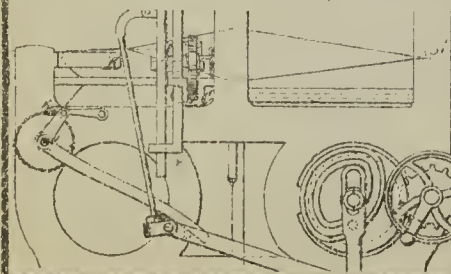
GEORGE E. PHILLIPS, WRENCHES.



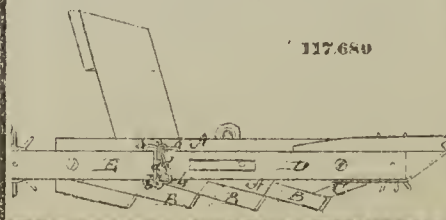
ROOK, ROOK, AND ROOK,
MACHINES FOR TENCING SPOKES.



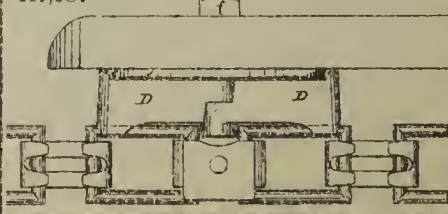
117,672 EDWIN OLDFIELD, LOOMS.



JOHN W. POLLOCK,
CLOD-CRUSHERS AND PULVERIZERS.



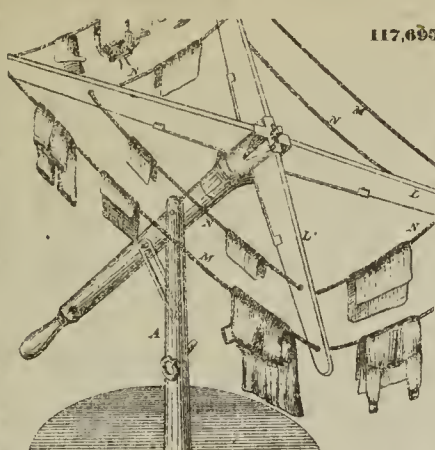
JOHN M. ROSEBROOK, HARVESTER-RAKES



117,688 GEORGE ROVE, PAPER-FILES.

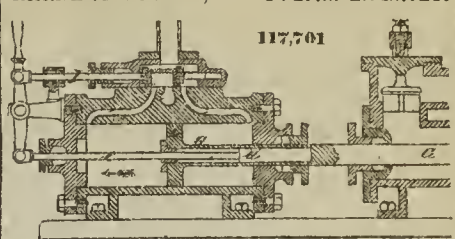


EDWARD E. STEDMAN, CLOTHES-DRIERS.



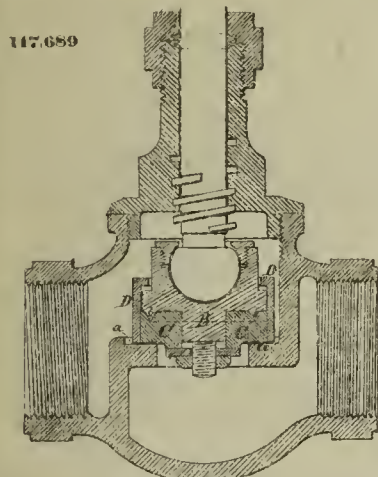
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HERBERT VOSPER, STEAM-ENGINES.



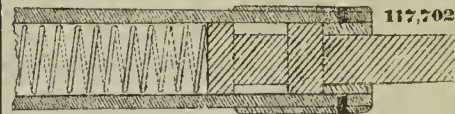
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EDMUND RUSSELL, STOP-VALVES.



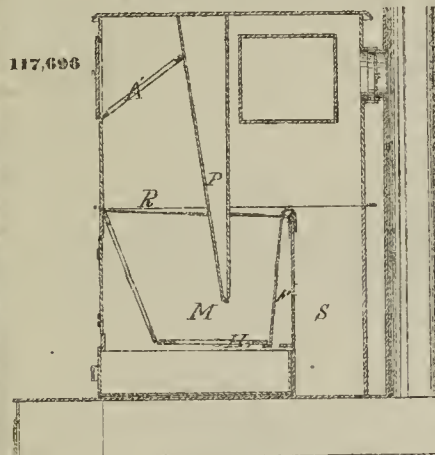
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FREDRIK WAHLFELT, DRILL-BAYONETS.

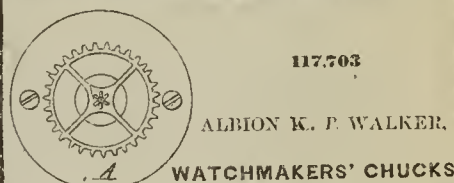


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JAMES W. TEFIT, BASE-BURNING STOVES.



117,696

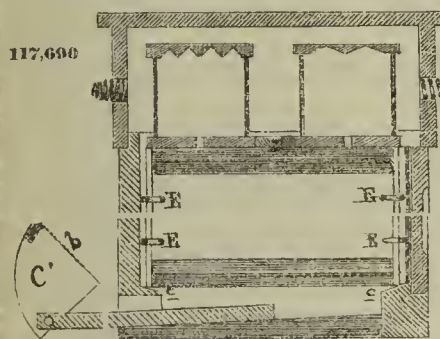


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ALBION K. P. WALKER,

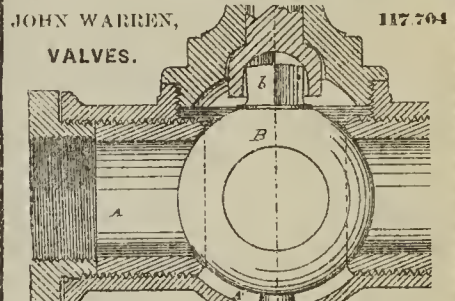
WATCHMAKERS' CHUCKS.

WILLIAM K. SAWYER, BEE-HIVES.



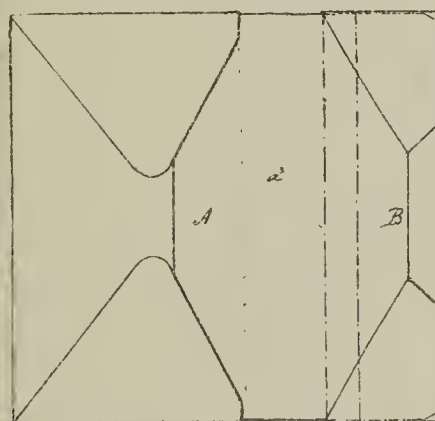
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JOHN WARREN, VALVES.



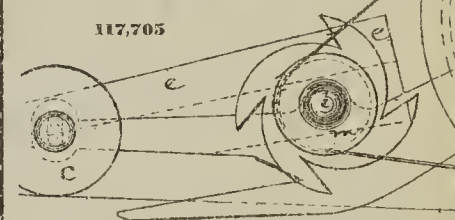
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MORTIMER THOMSON, BOOK-COVER PROTECTORS.



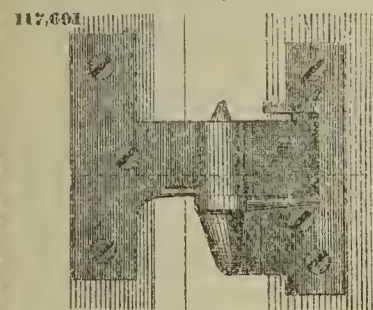
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WARREN, AND DEFREES, REMOVING RUNNERS FROM STRAWBERRY VINES.



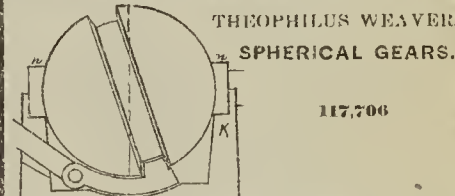
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NATHANIEL SEHNER, SPRING-HINGES.



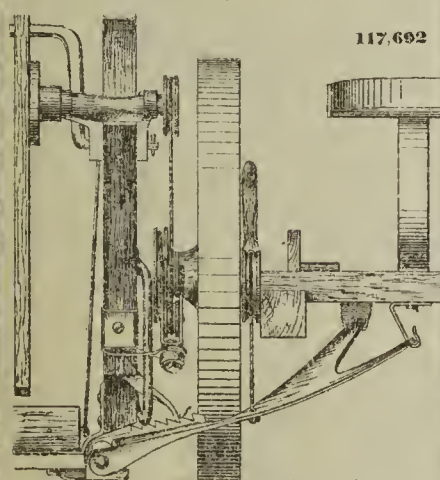
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THEOPHILUS WEAVER, SPHERICAL GEARS.



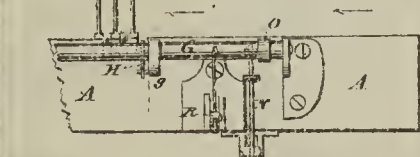
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JOHN F. SEIDERLING, HARVESTERS.



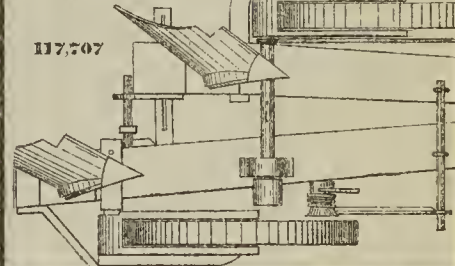
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FREDERICK O. TUCKER, WEFT STOP-MOTIONS.

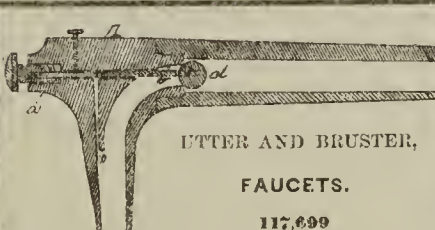


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LEWIS T. WEBSTER, GANG-PLOWS.



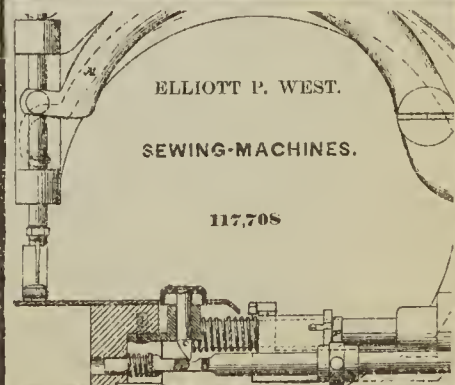
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ELLIOTT P. WEST, SEWING-MACHINES.

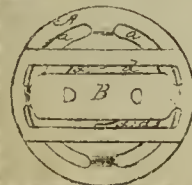
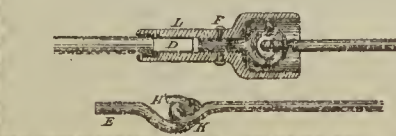


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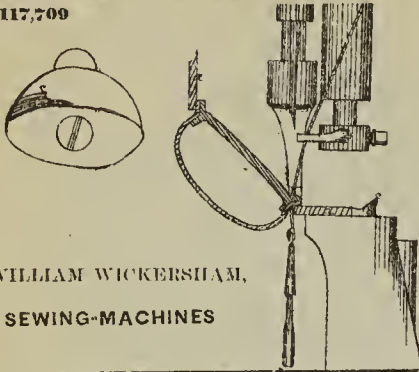
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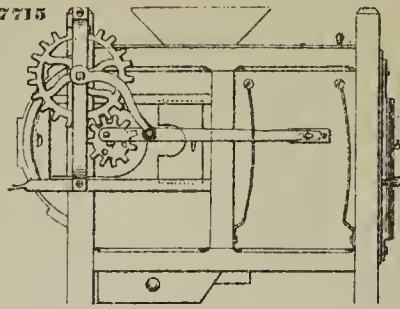
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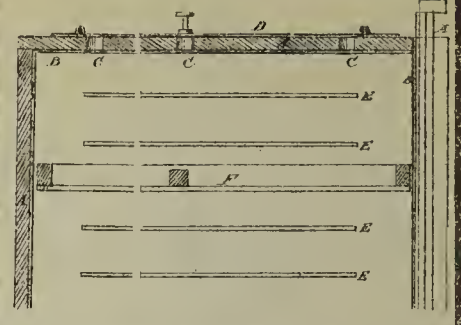
JOHN GOETZ,

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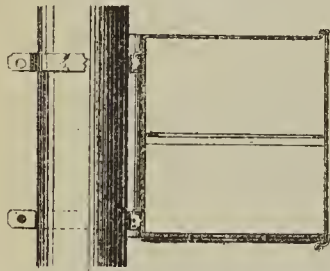
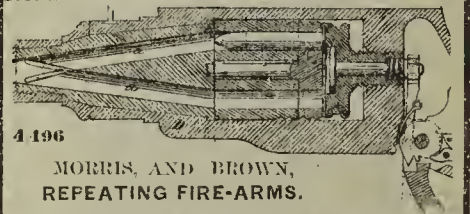
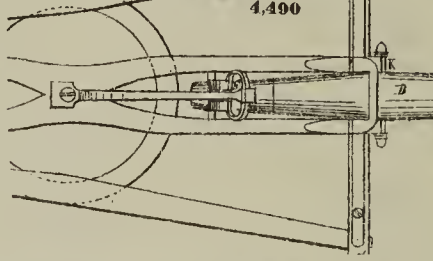


JOHN P. MILLER, FRUIT-DRIERS.

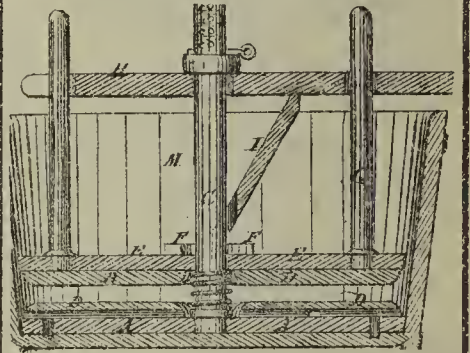


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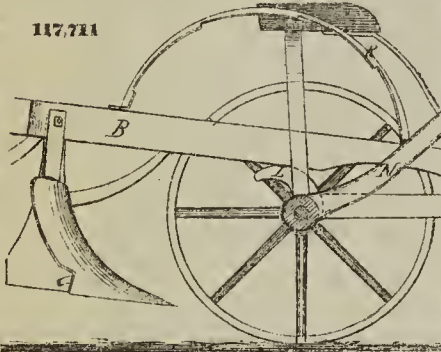
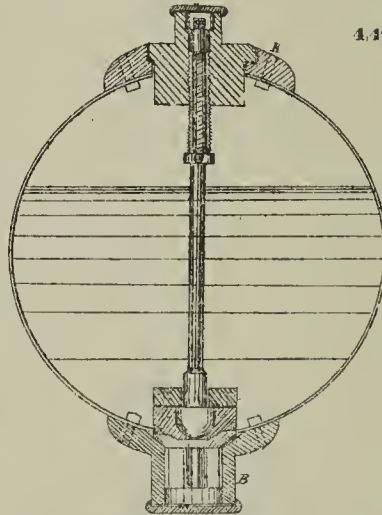
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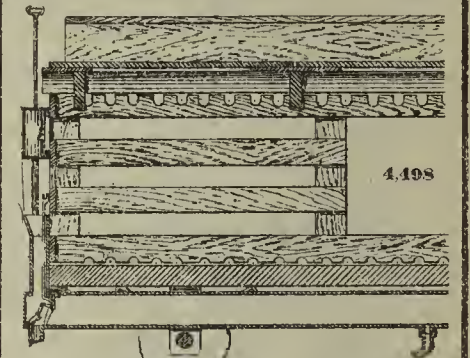
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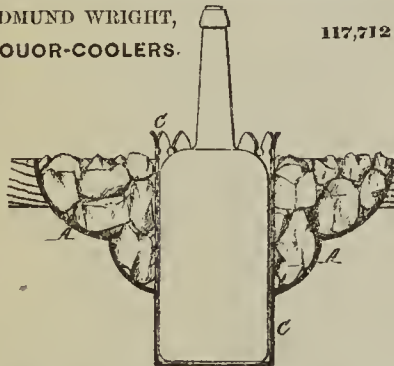
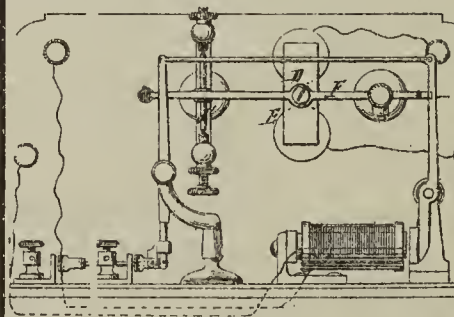
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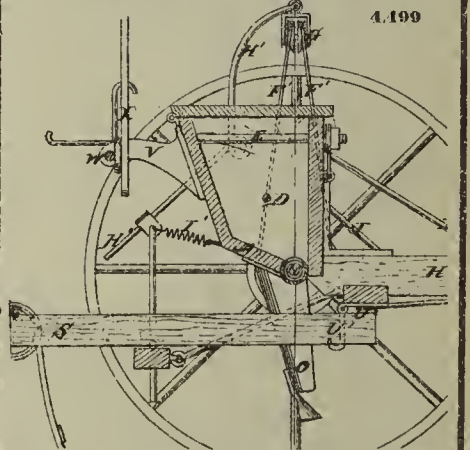
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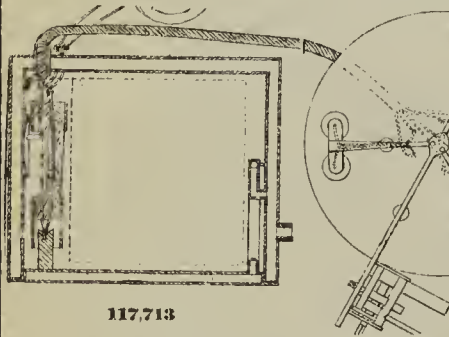
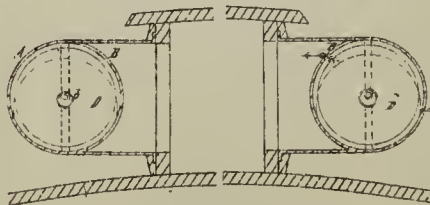
LYMAN WIGHT, GRAIN-DRILLS.

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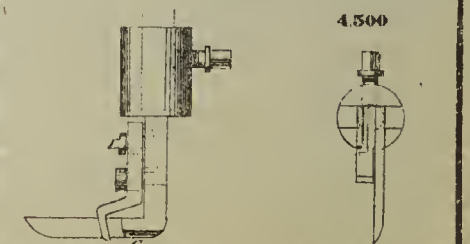
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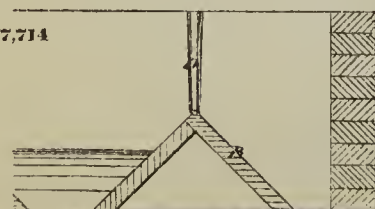
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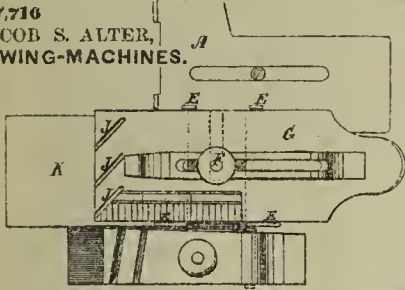
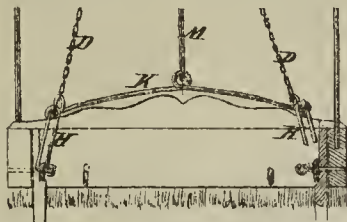


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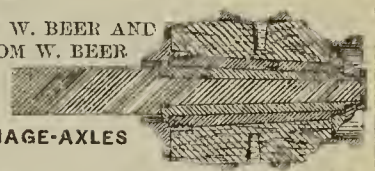
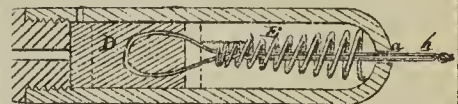
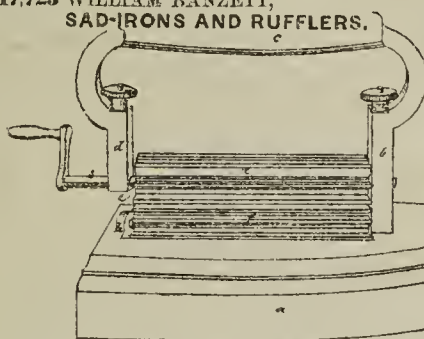
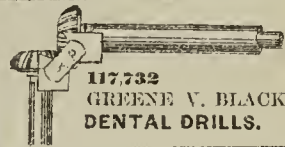
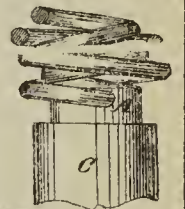
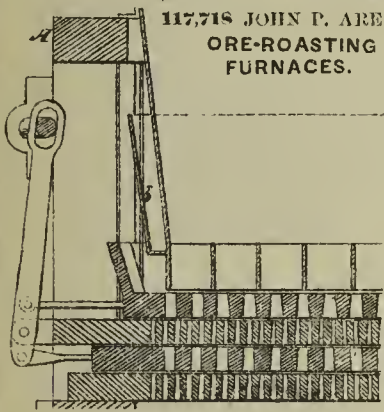
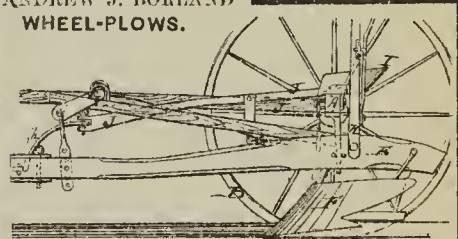
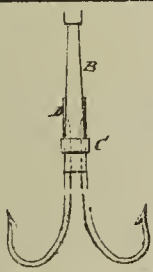
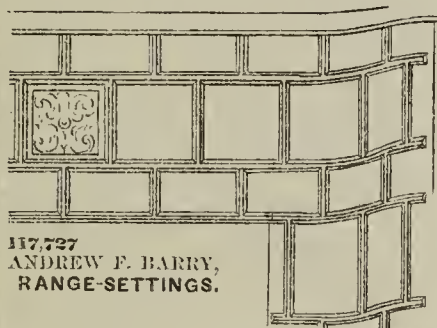
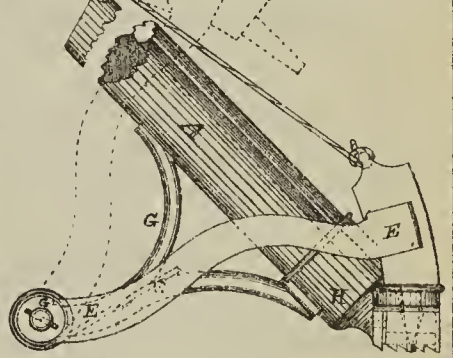
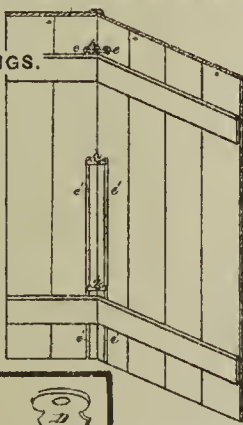
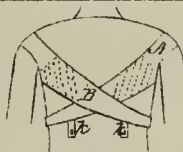
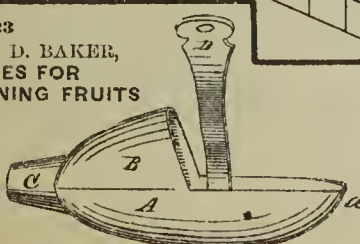
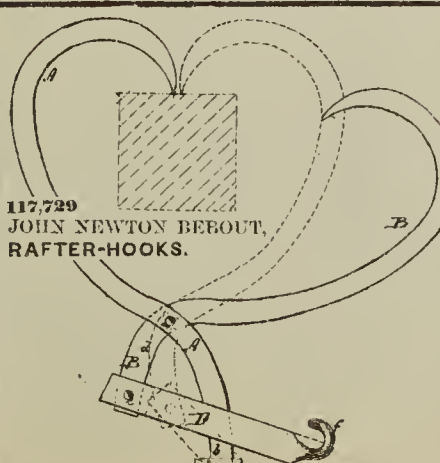
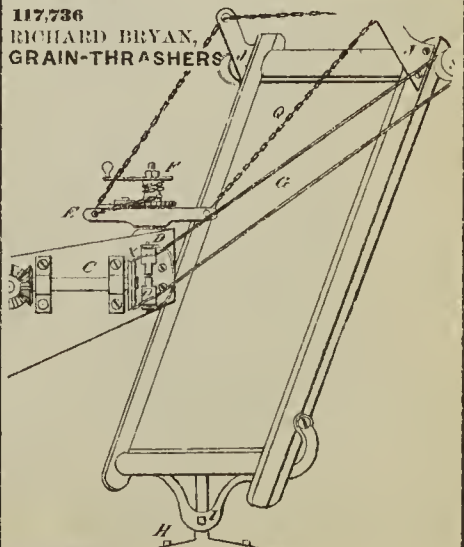
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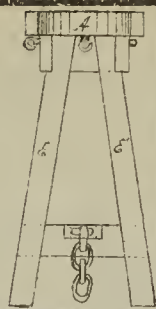
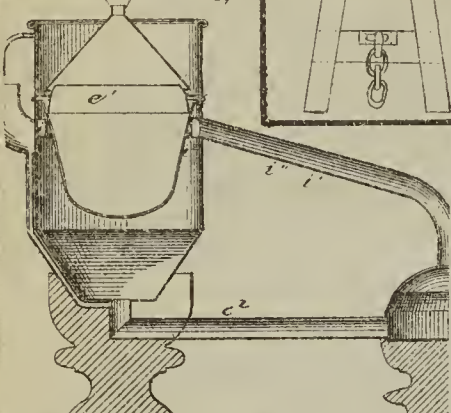
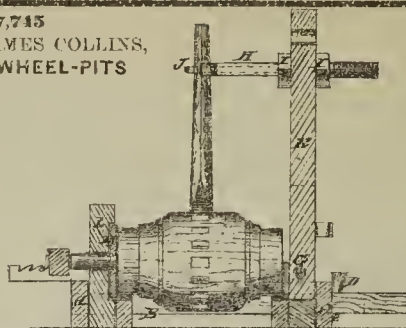
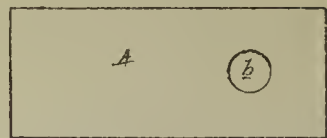
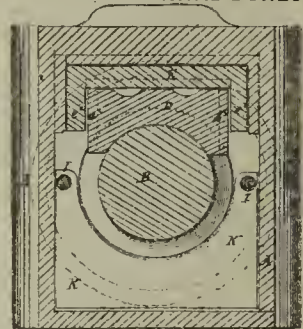
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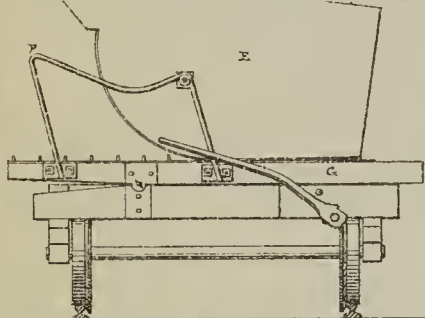
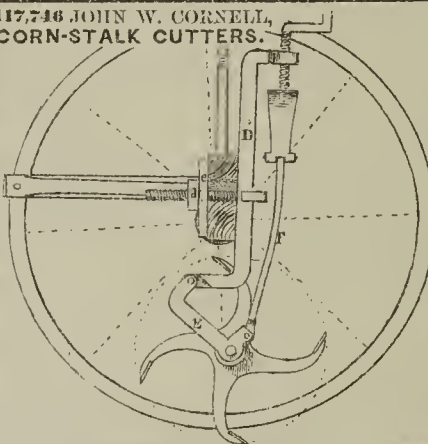
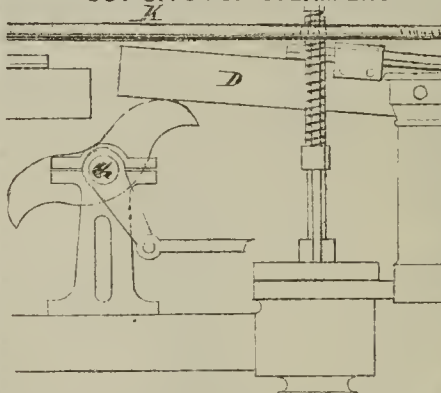
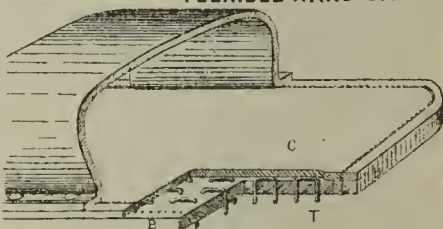
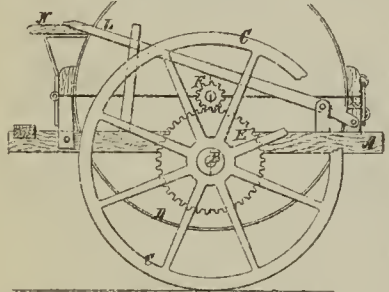
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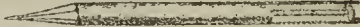
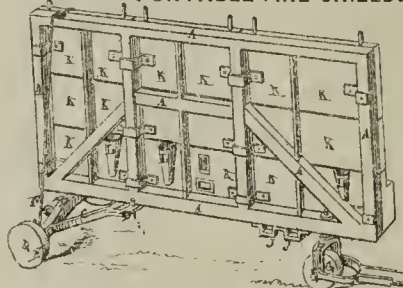
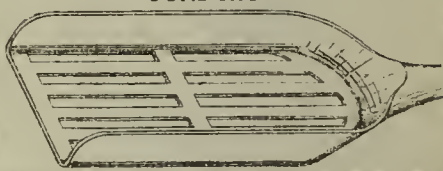
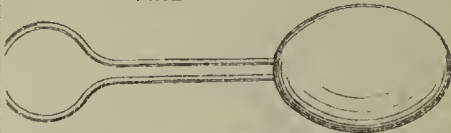
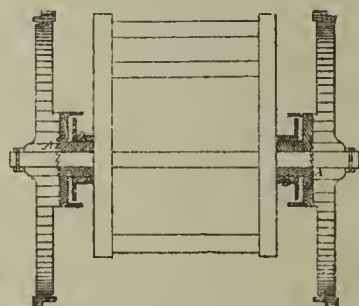
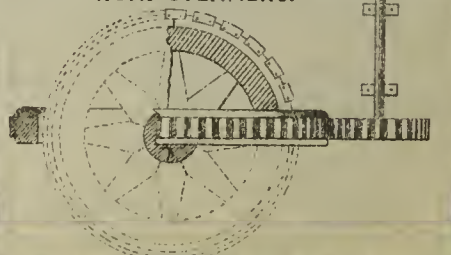
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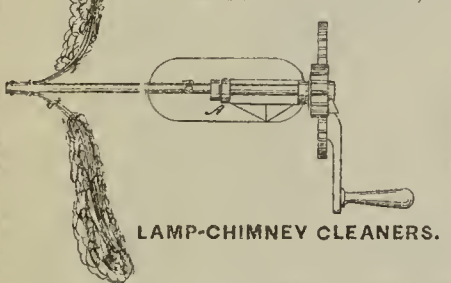
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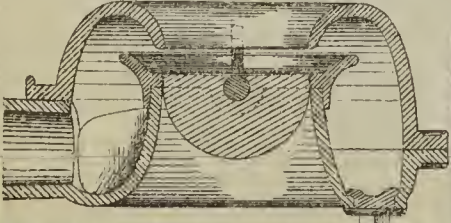
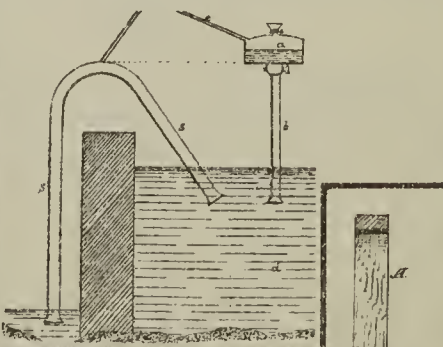
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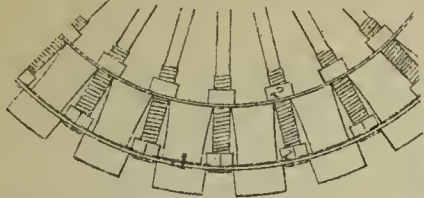
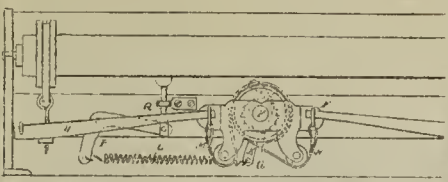
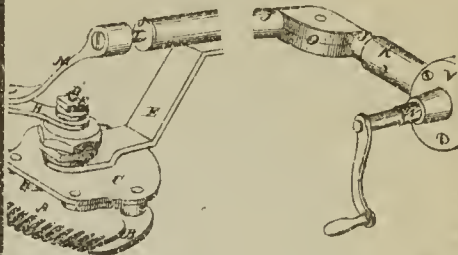
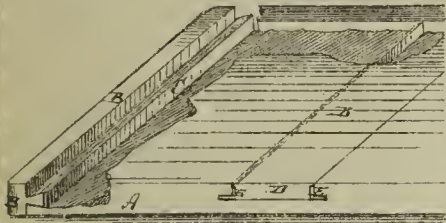
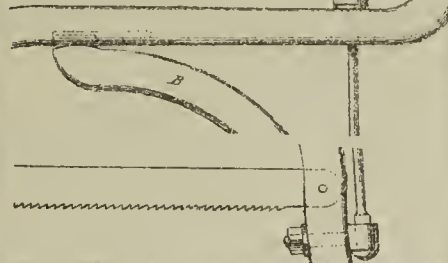
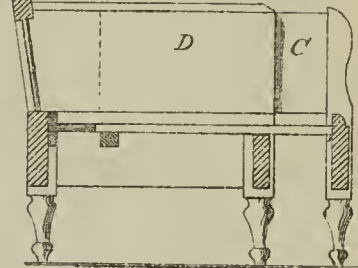
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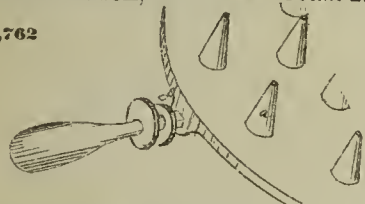
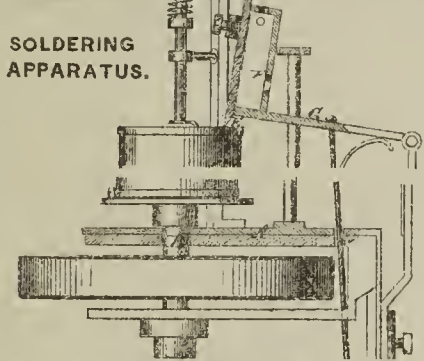
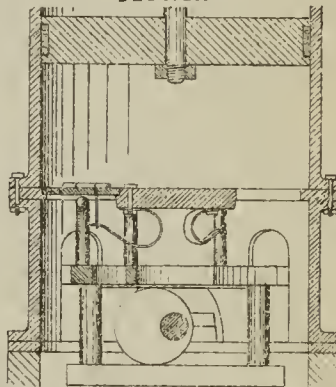
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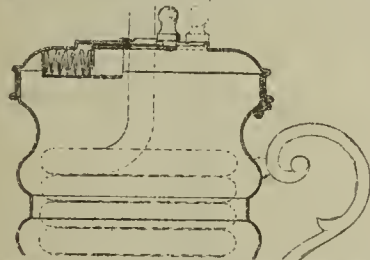
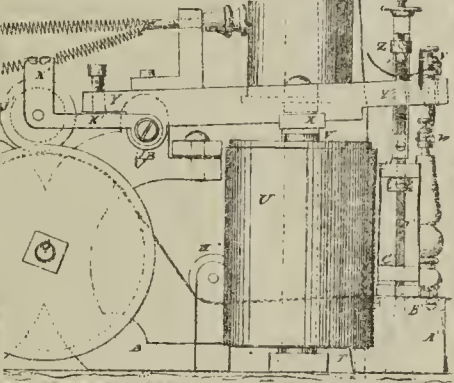
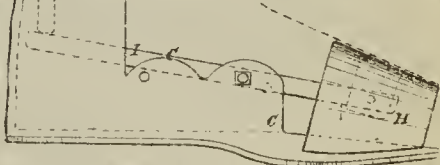
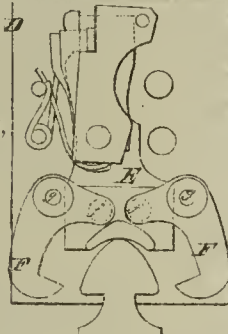
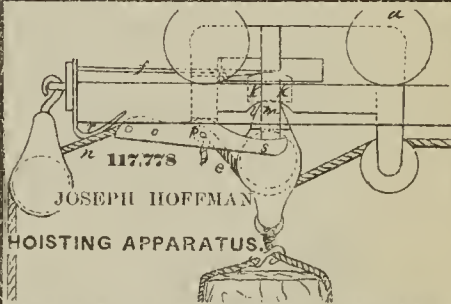
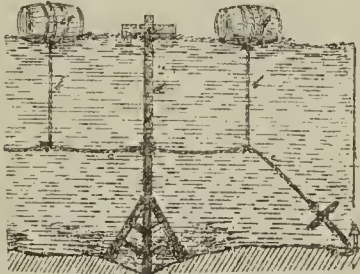
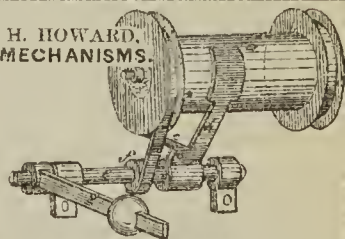
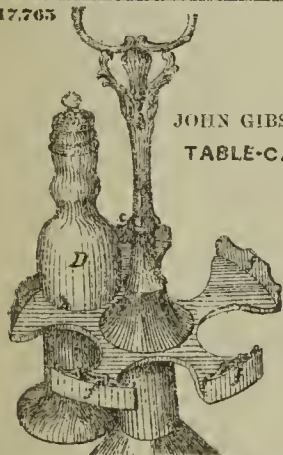
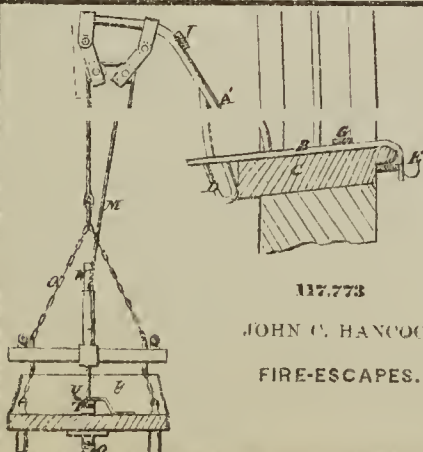
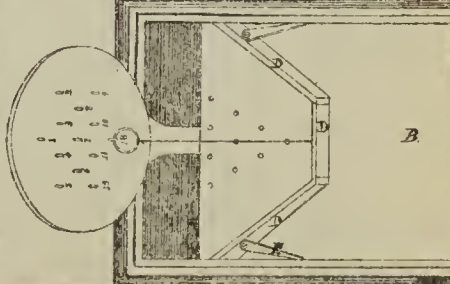
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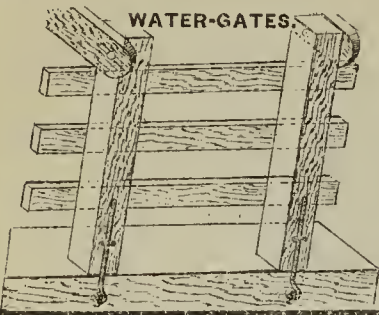
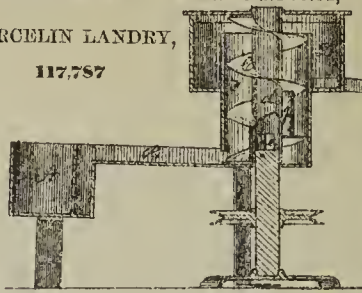
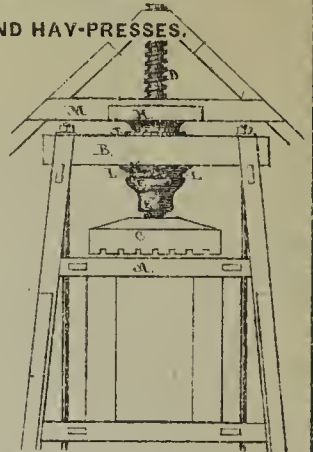
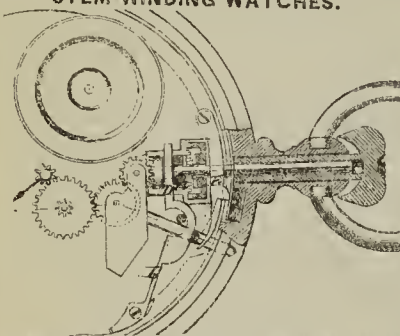
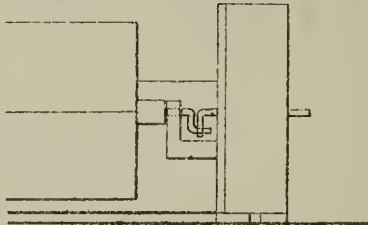
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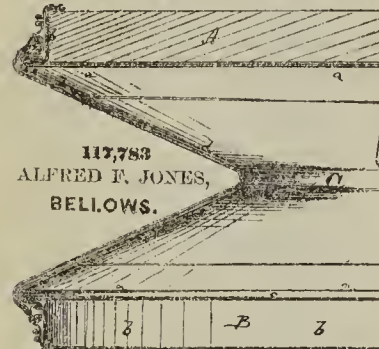
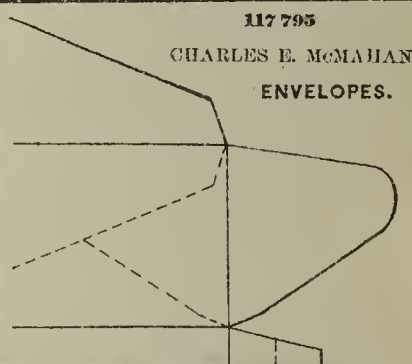
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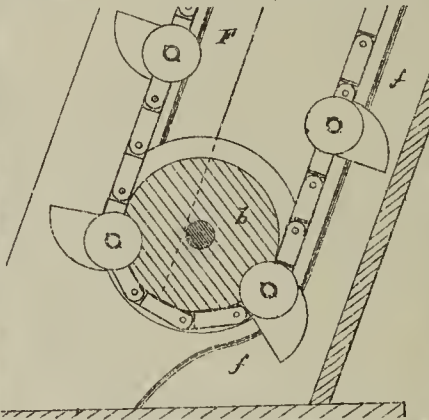
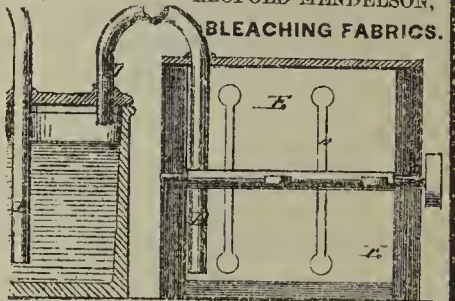
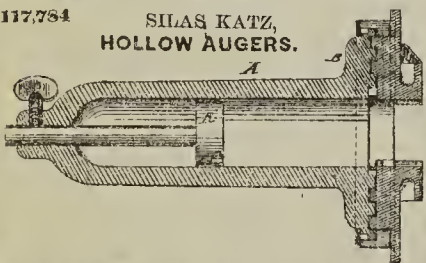
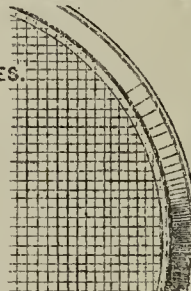
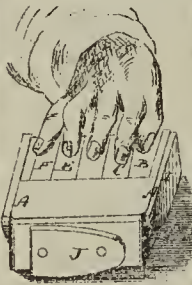
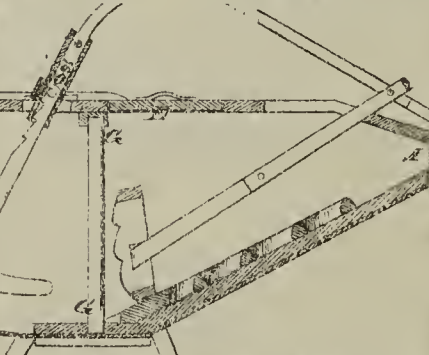
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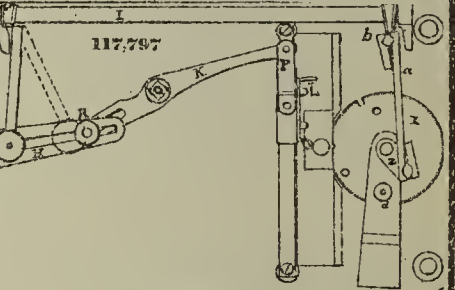
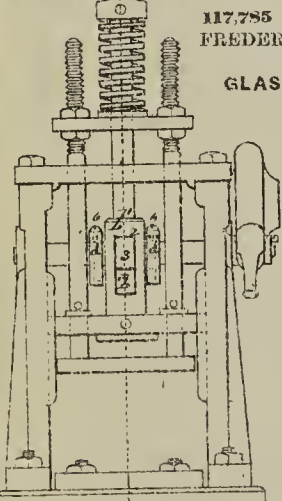
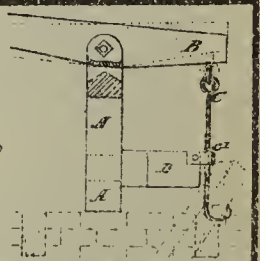
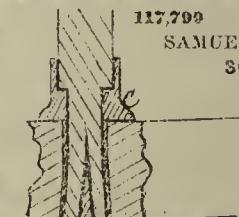
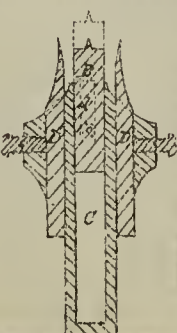
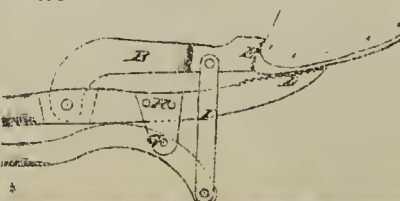
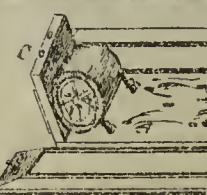
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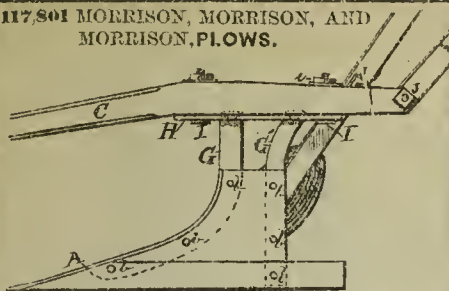
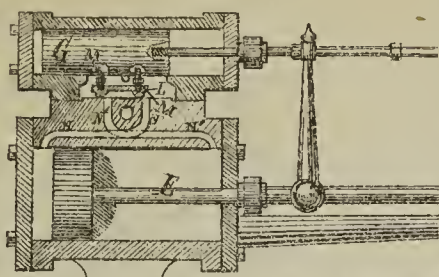
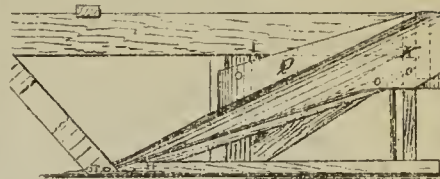
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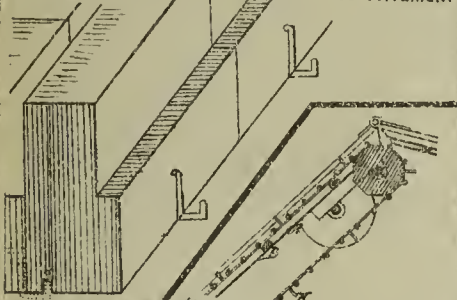
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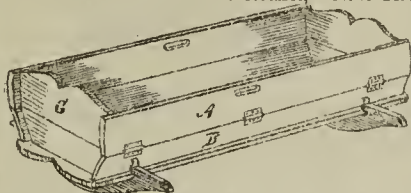
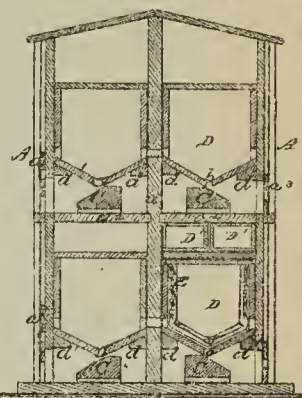
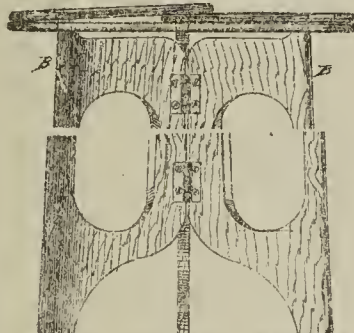
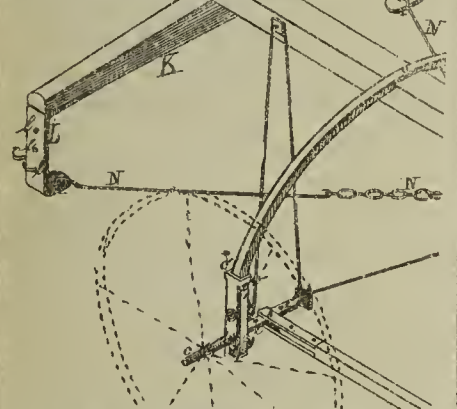
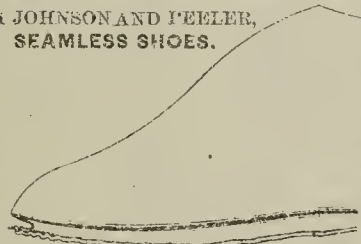
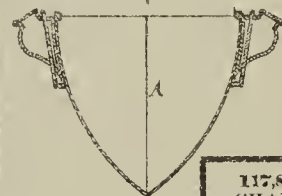
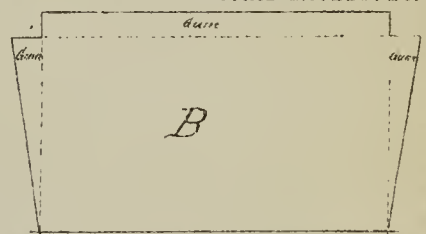
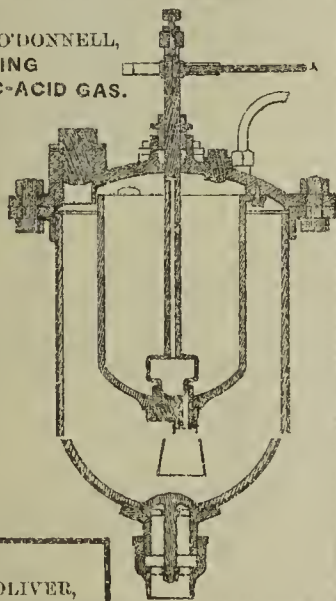
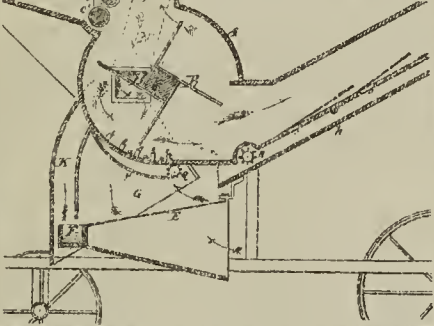
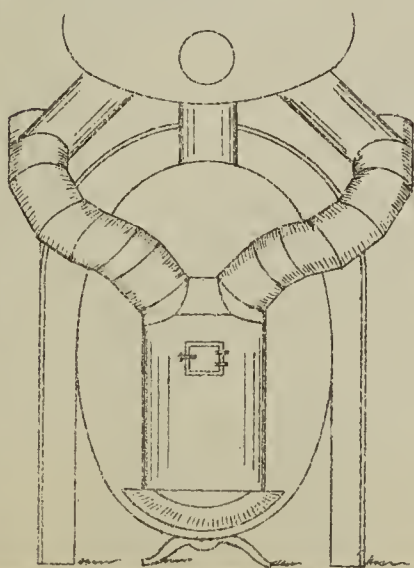
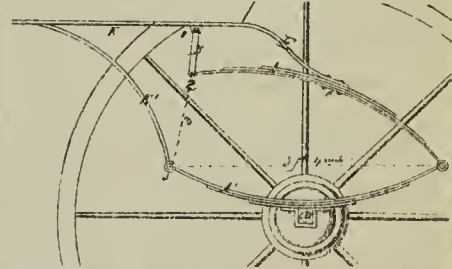
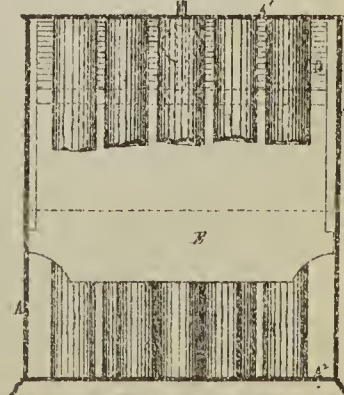
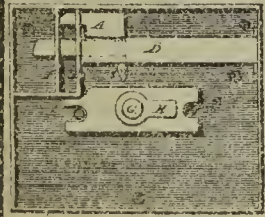
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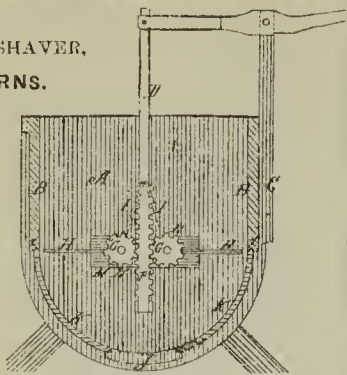
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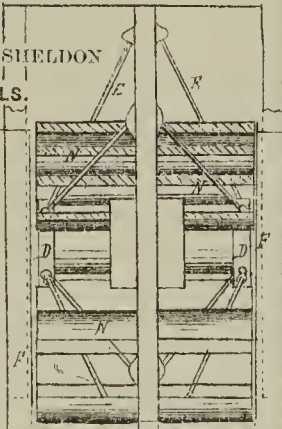
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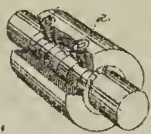
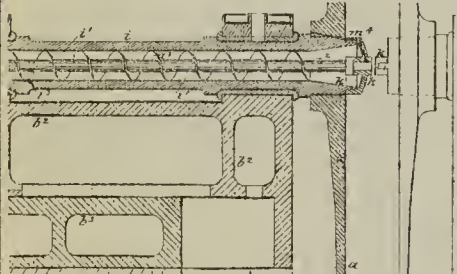
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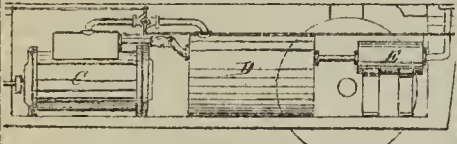
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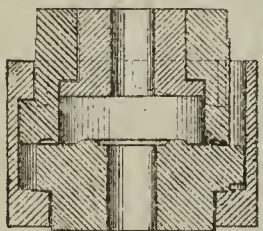
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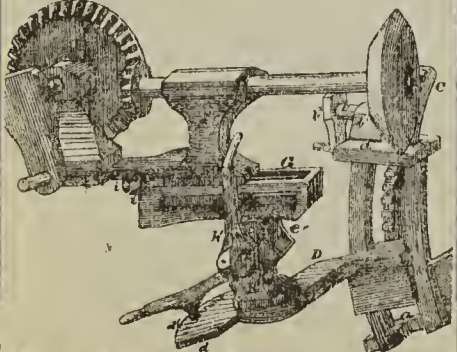
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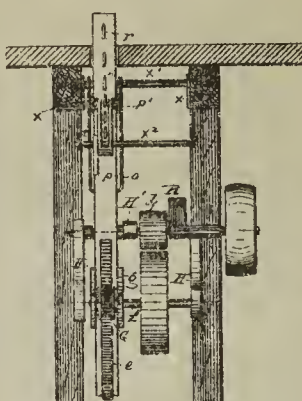
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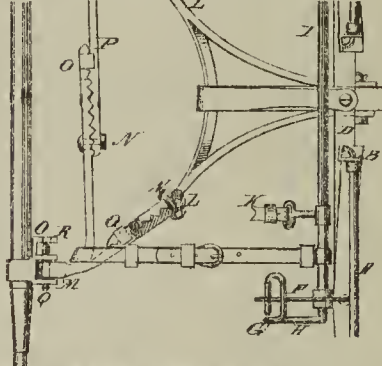
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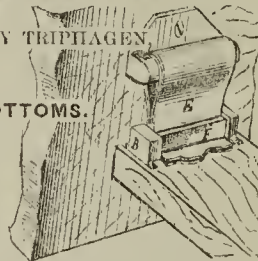
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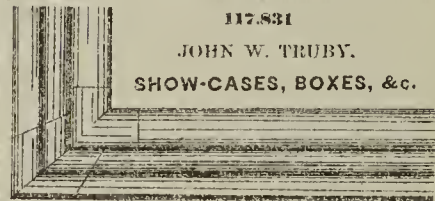
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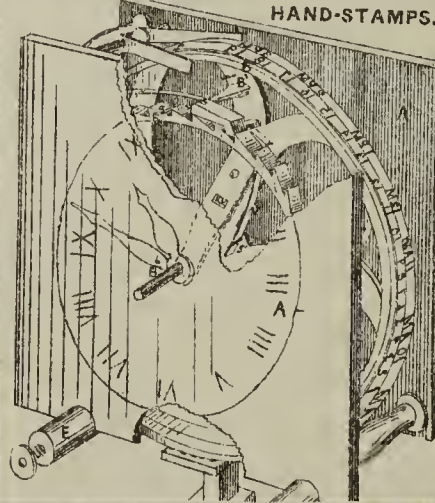
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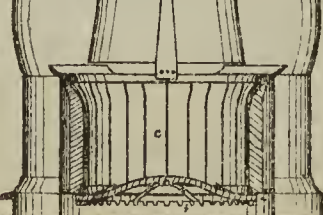
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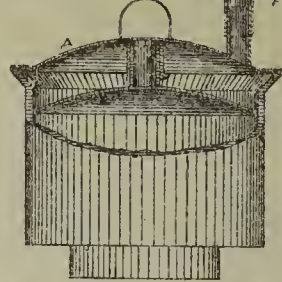
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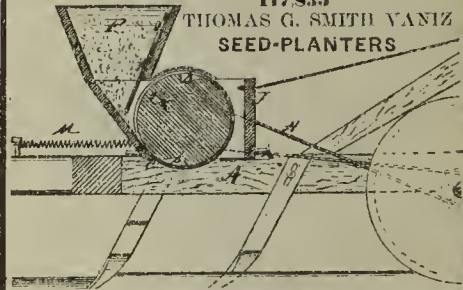
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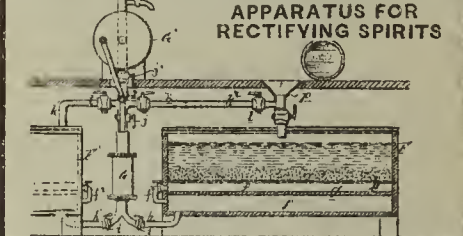
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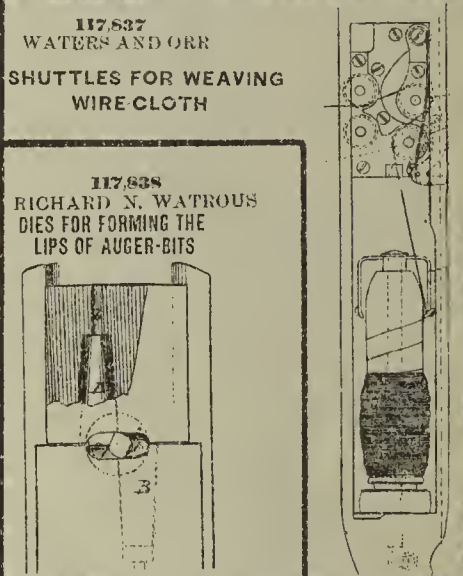
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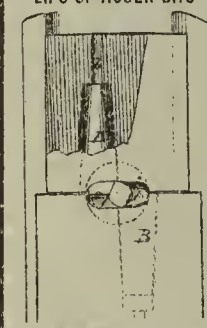
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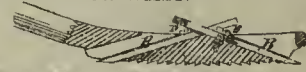
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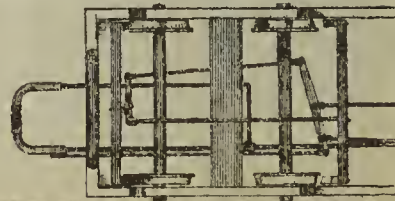
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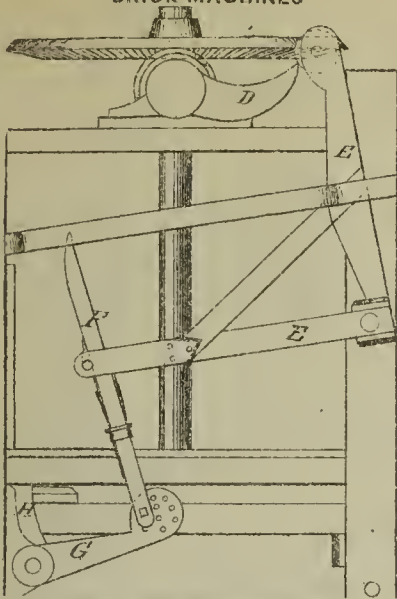
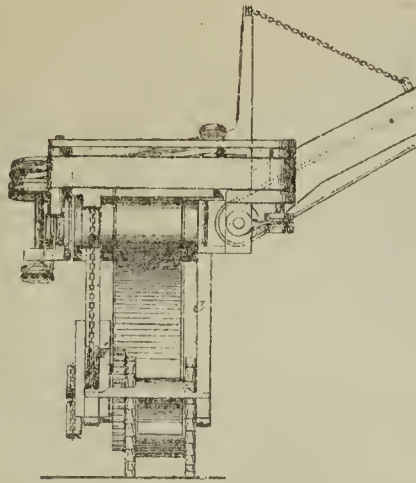
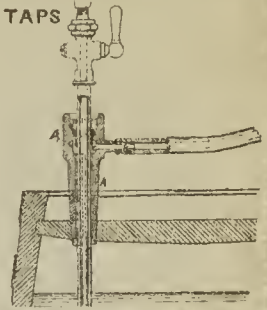
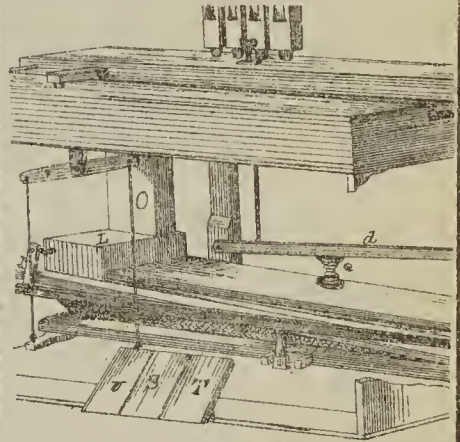
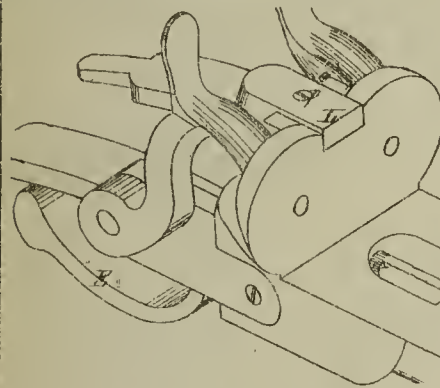
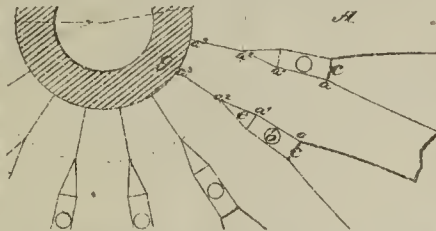
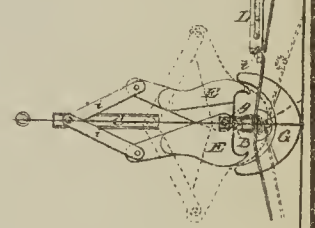


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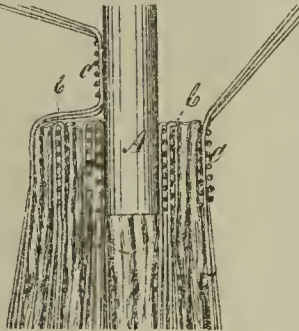
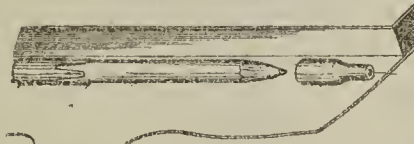
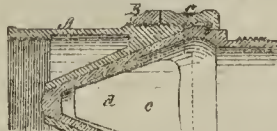
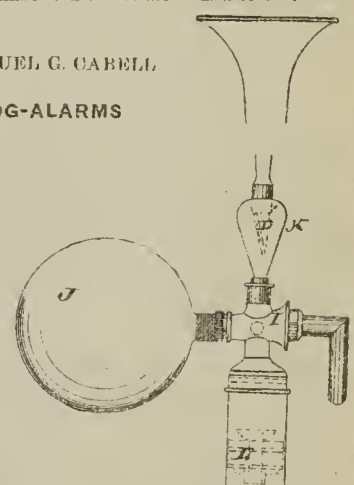
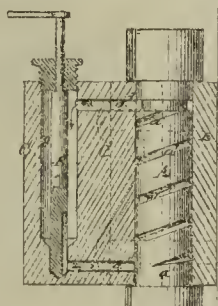
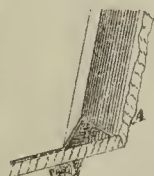
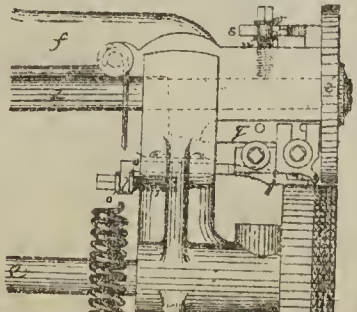
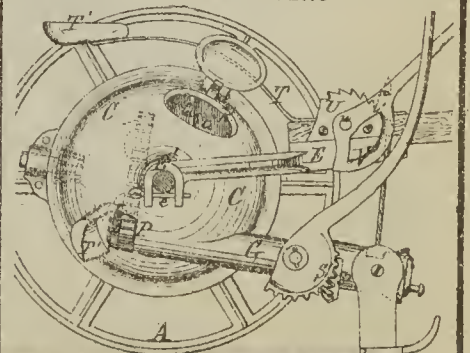
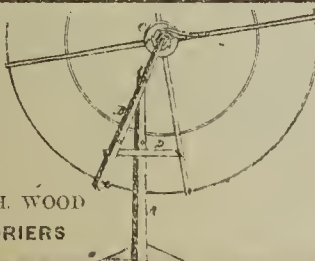
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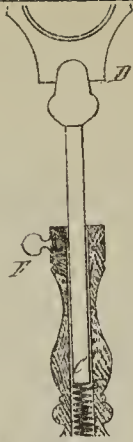
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WHEEL-HUBS117850 JOHNSTON V. WOOLSEY
CUTTER-HEADS117860 EDWIN L. RUSHNELL
SPIRAL BED-SPRINGS

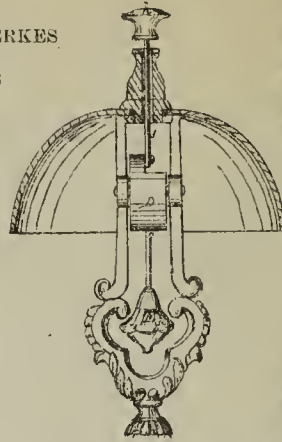
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CLOTHES-DRIERS

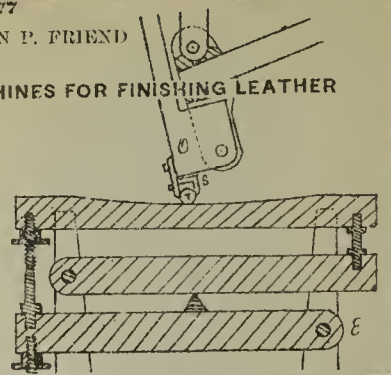
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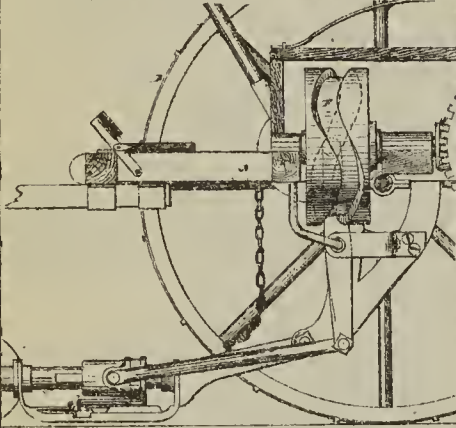
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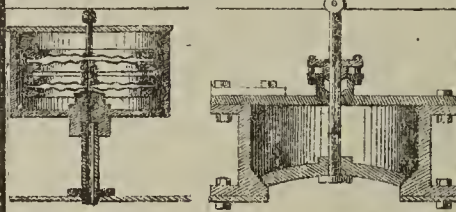
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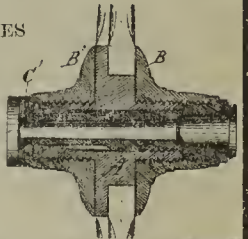
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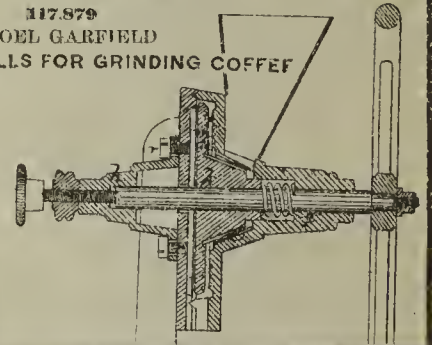
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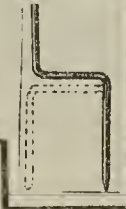
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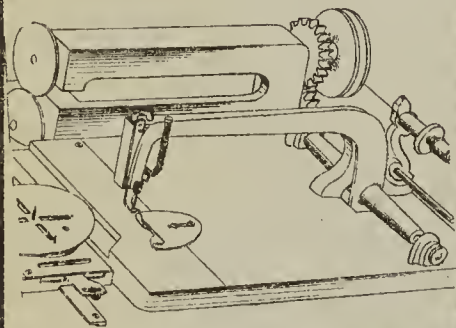
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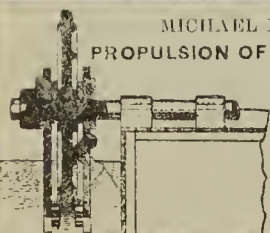
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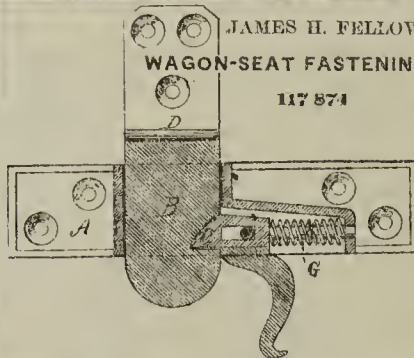
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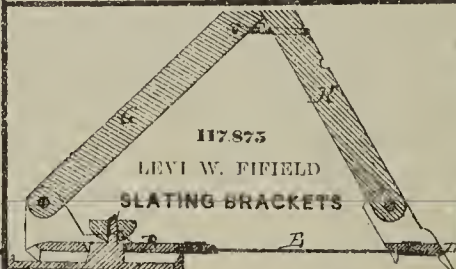
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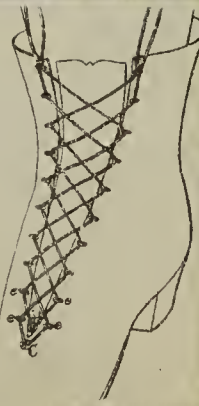
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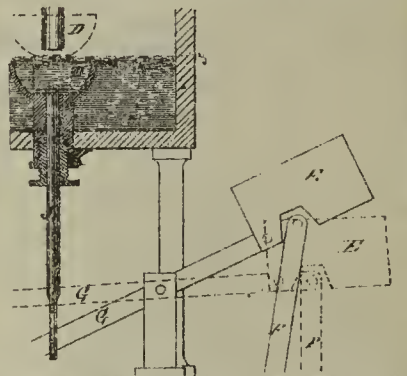
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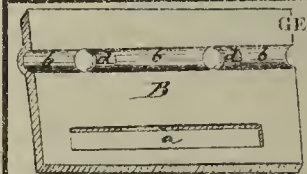
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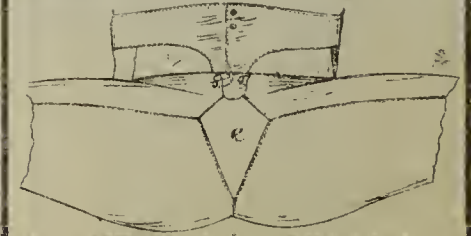
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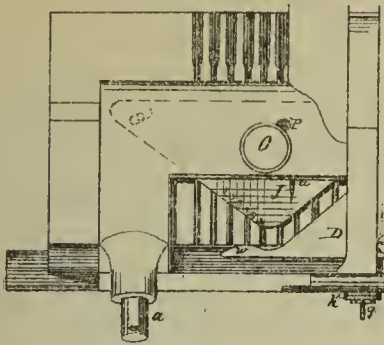
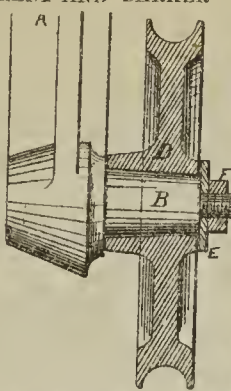
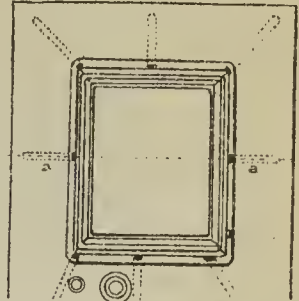
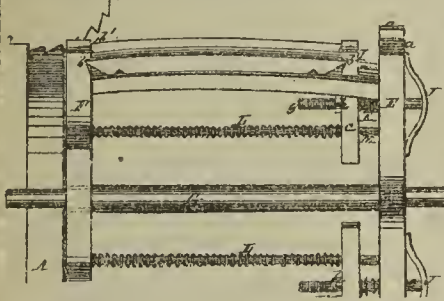
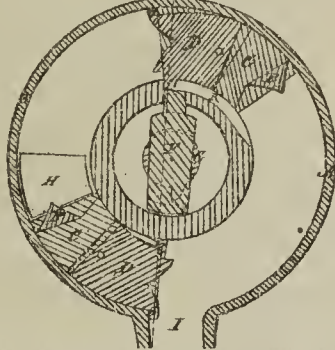
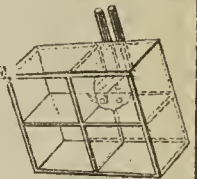


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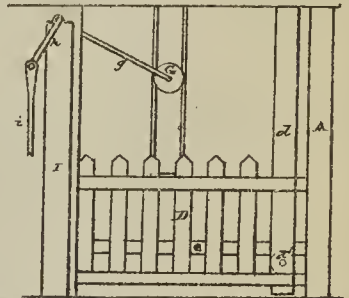
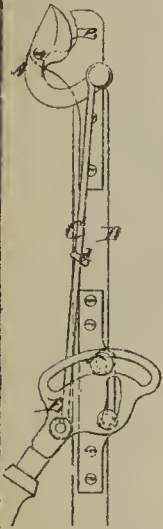
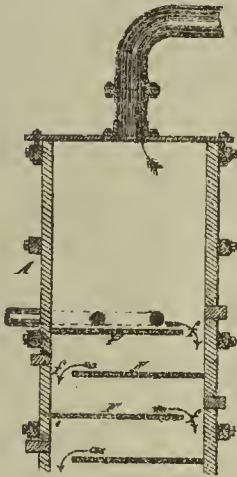


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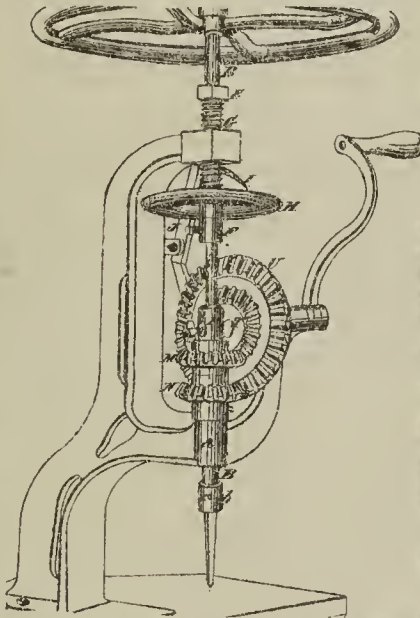
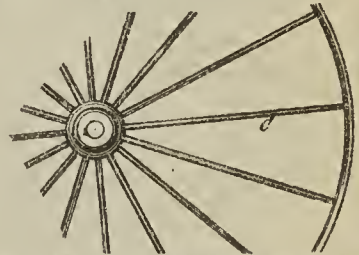
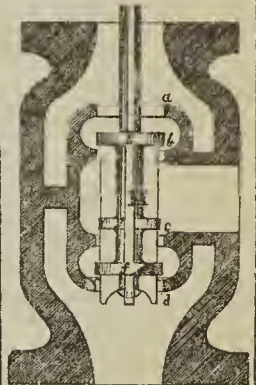
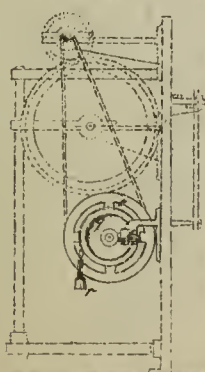
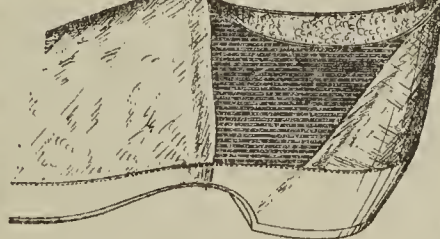


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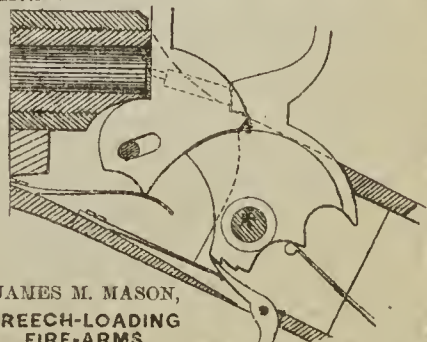
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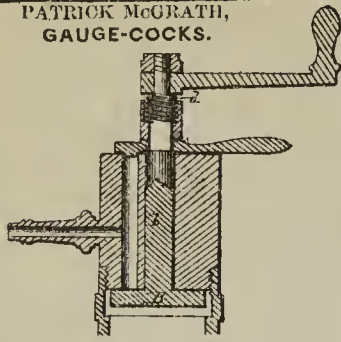
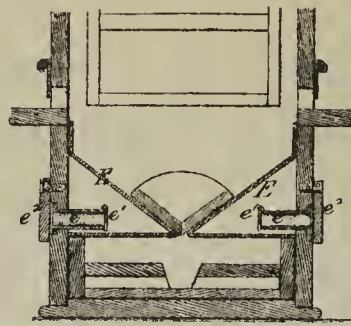
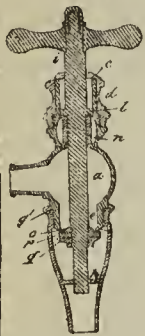
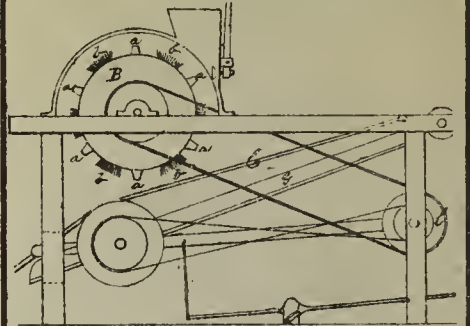
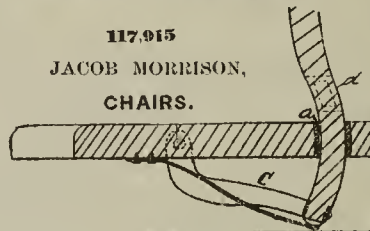
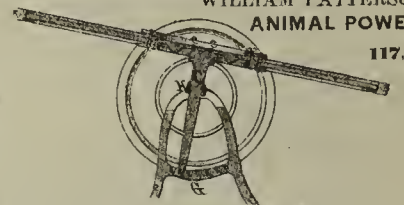
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117,896 JOHN LEMMAN, DRILLING-MACHINE

117,902 JAMES H. LOUGHRIDGE,
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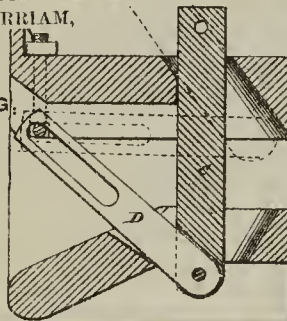
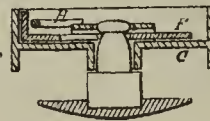
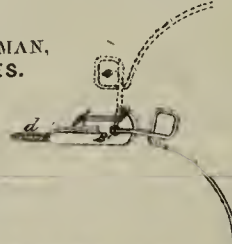
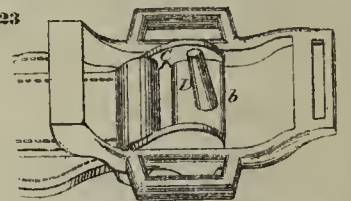
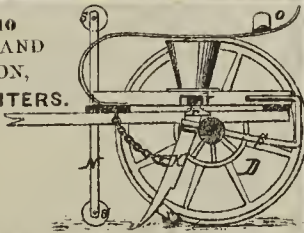
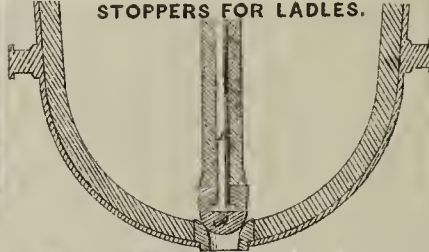
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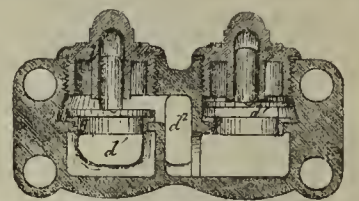
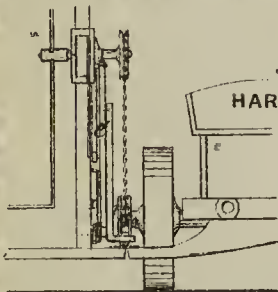
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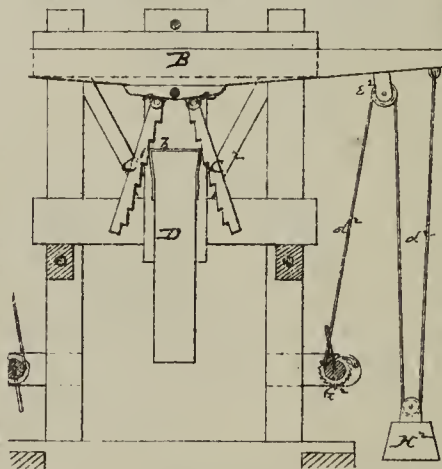
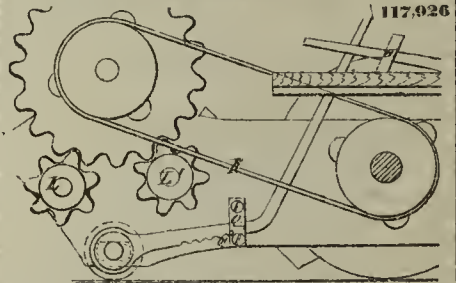
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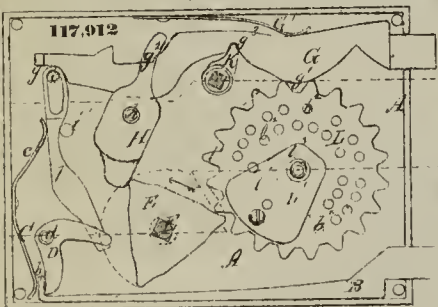
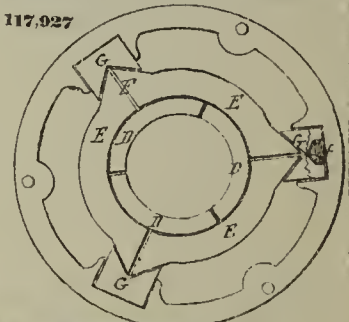
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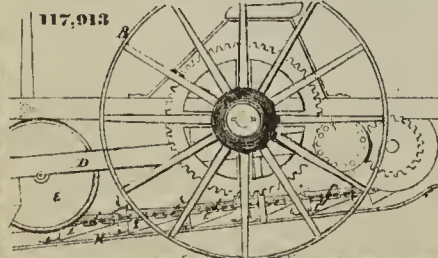
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PHILIP W. RICHARDS, STUFFING-BOXES.
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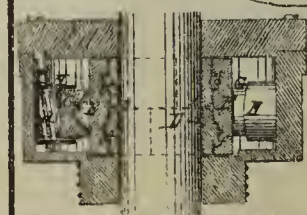
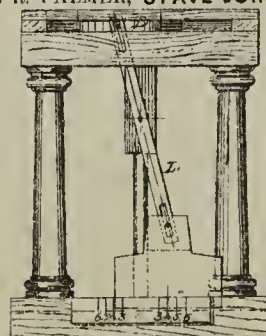
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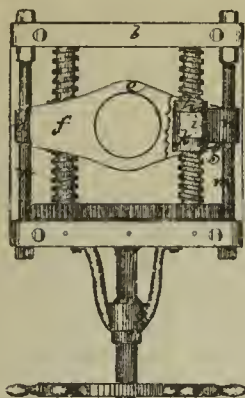
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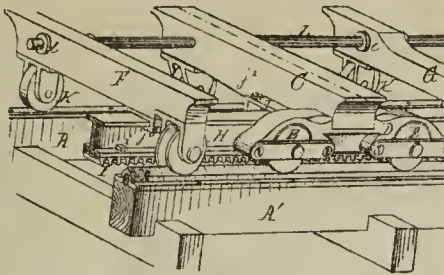


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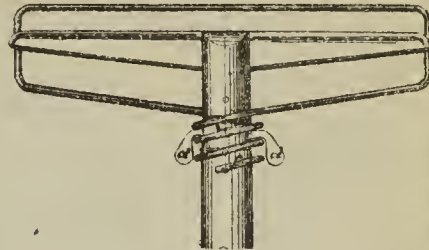
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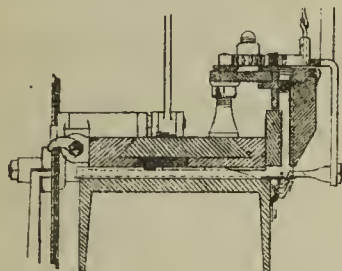
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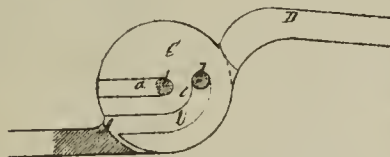
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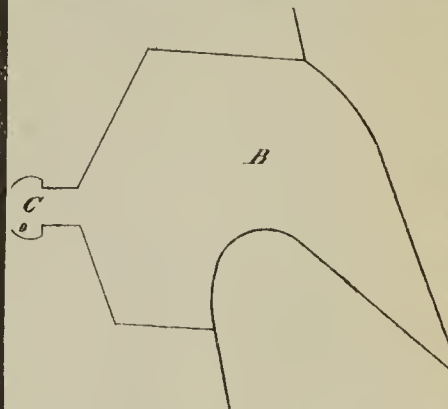
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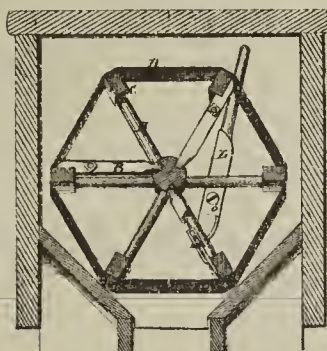
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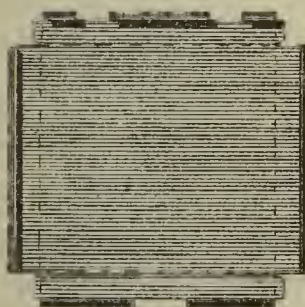
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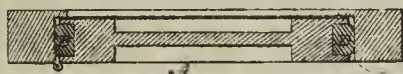
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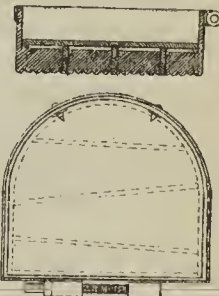
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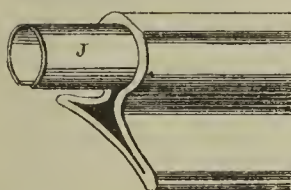
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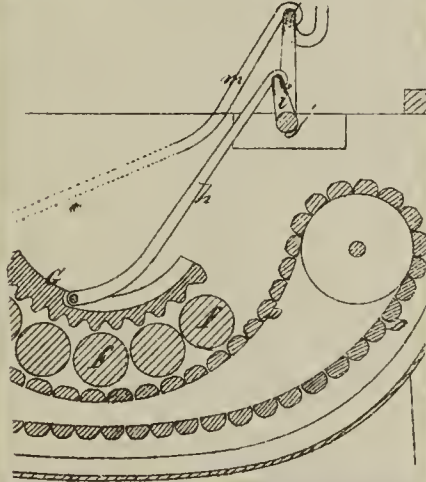
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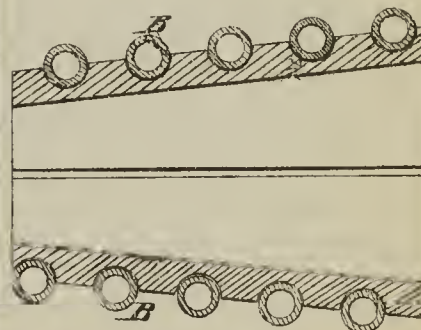
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RAILWAY RAILS.



117,940 ALFRED T. SULLIVAN,
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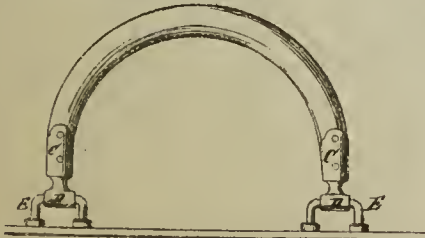
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TUYERES.



117,934 JACOB H. SAWYER,
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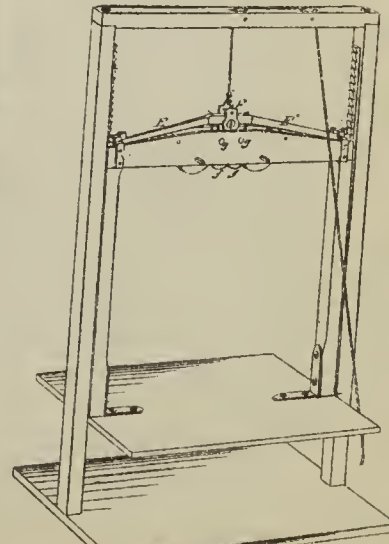
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SATCHELS, &c.



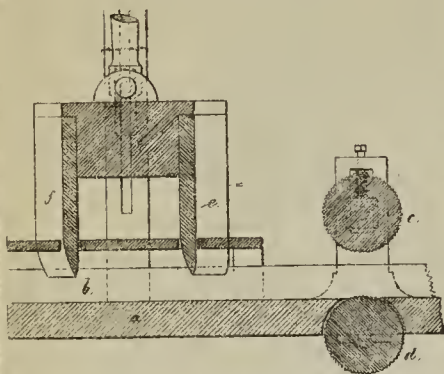
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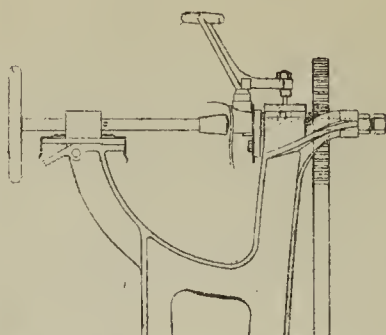
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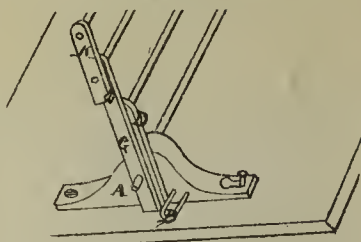
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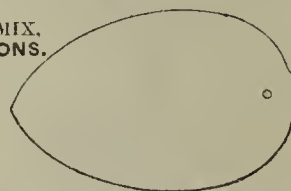
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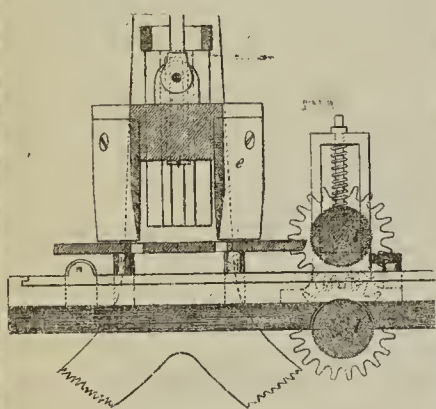
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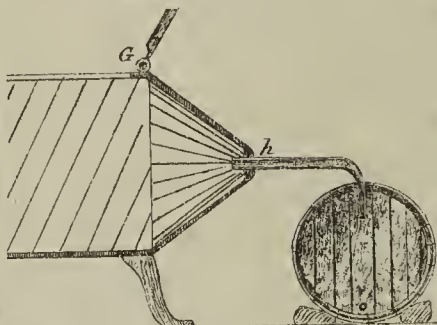
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IRON SPOONS.



117,952 WILLIAM L. WILLIAMS,
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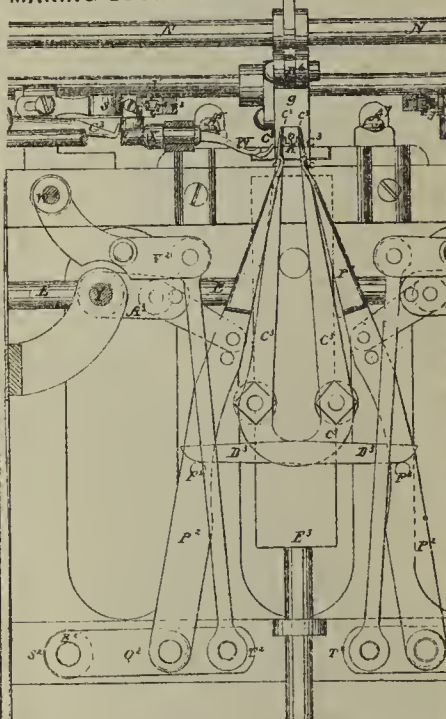
117,956 ARTHUR DE WITZLEBEN,
BARREL-PITCHING MACHINES.



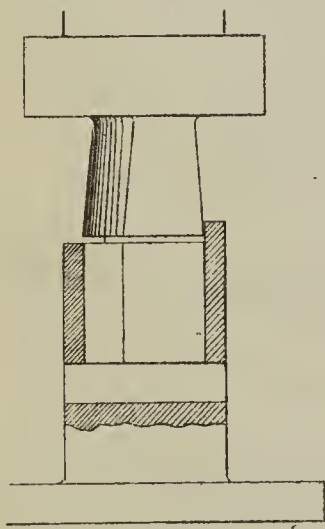
4,501 ETIENNE BOILEAU,
FIRE-PLATES FOR STOVES.



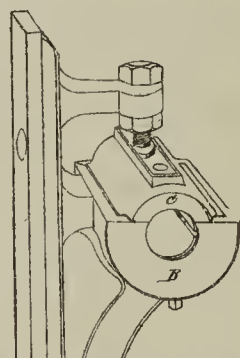
4,509 JOSEPH SLADDIN,
MAKING LOOM-HARNESS.



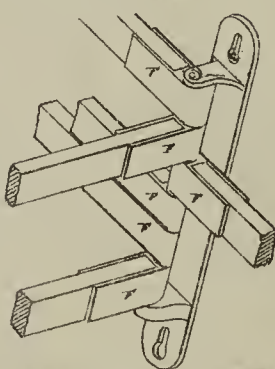
117,953 JOHN T. WILSON,
DRAW-BARS OF RAILROAD COUPLINGS.



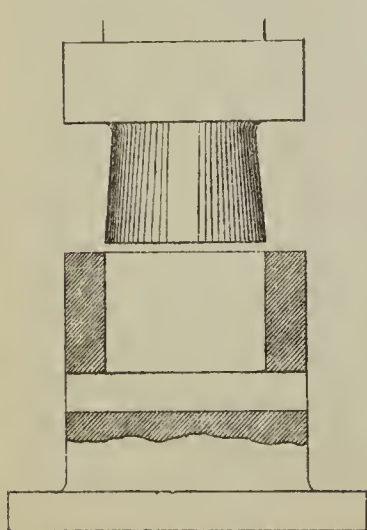
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SELF-LUBRICATING JOURNAL-BOXES.



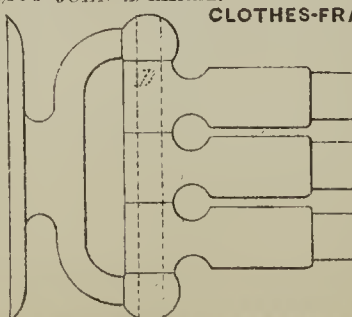
4,503 JOHN E. EARLE,
CLOTHES-FRAMES.



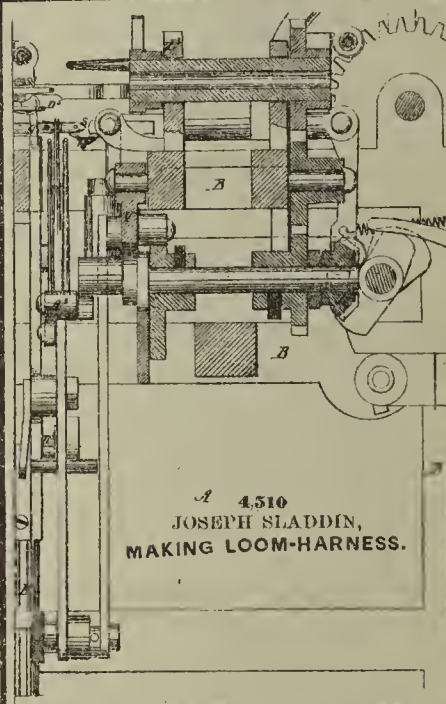
117,954 JOHN T. WILSON,
DRAW-HEAD FACE-PLATES



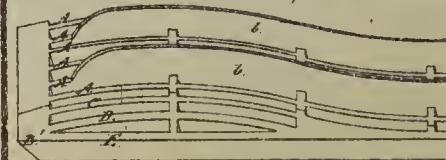
4,504 JOHN E. EARLE,
CLOTHES-FRAMES.



4,510 JOSEPH SLADDIN,
MAKING LOOM-HARNESS.



4,511 JOHN R. SMITH, GRATE-BARS.



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117972

ILLUSTRATIONS OF PATENTS

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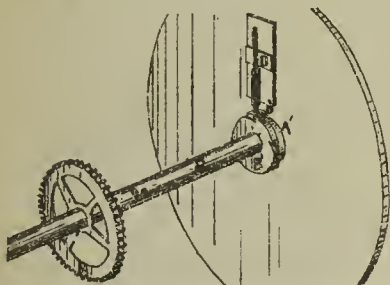
THE UNITED STATES PATENT OFFICE

AUGUST 15, 1871.

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FISHING-NETS.

117,958

FRANCIS ALGER,
ATTACHING WHEELS TO AXLES.

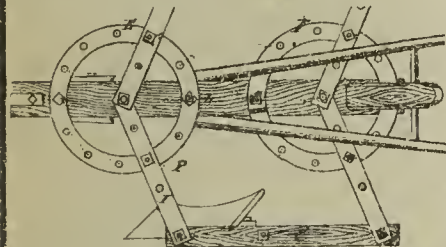
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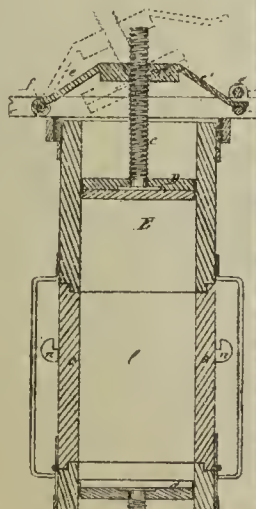
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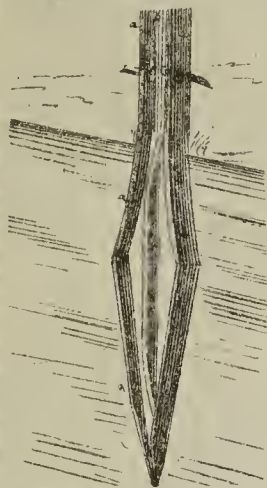
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CULTIVATORS.

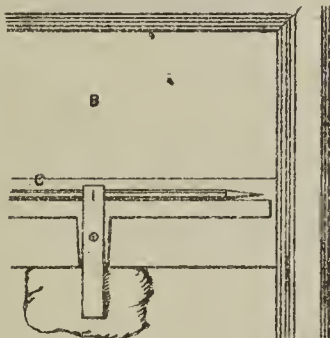
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BALING-PRESSES.

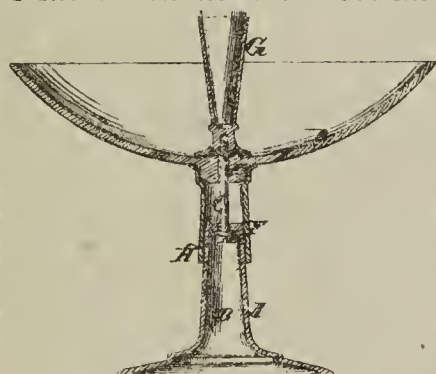
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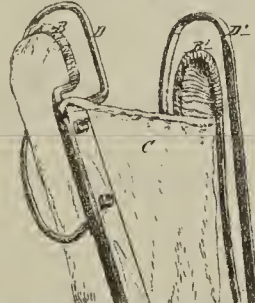
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SLATES.

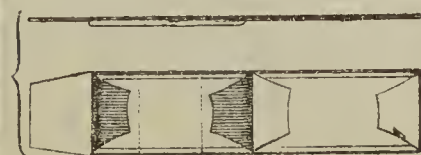
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EPERGNEs FOR FRUITS AND FLOWERS.

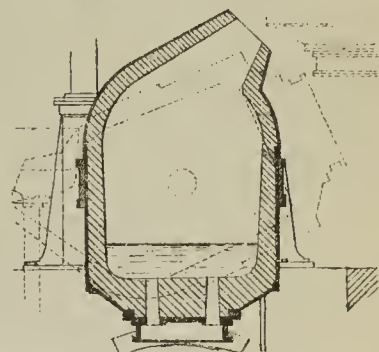
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FRUIT-GATHERERS.

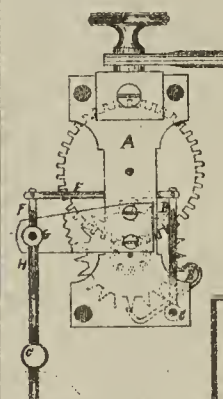
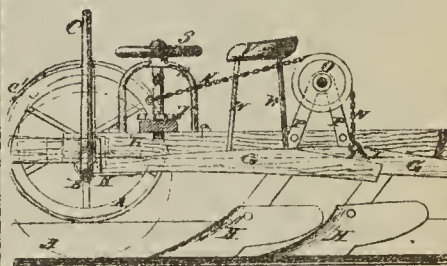
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MARY EMMA BAYLIS,
PAPER WRAPPERS FOR NEEDLES.

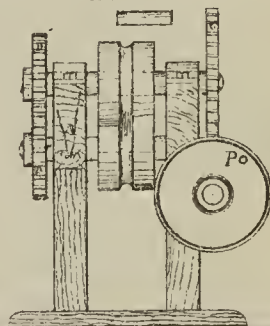
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HENRY BESSEMER,
MANUFACTURE OF IRON AND STEEL.

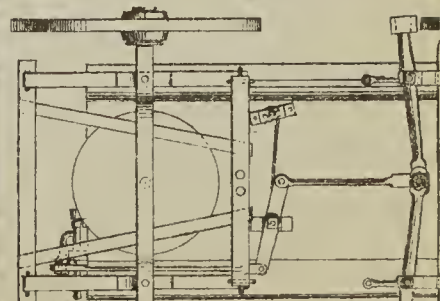
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JOHN M. BEVERLEY
MOSQUITO-FANS.117,970
JOHN BLACKWOOD,
GANG-FLOWS.

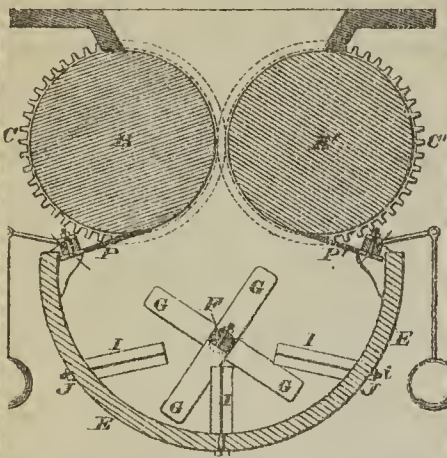
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HOISTING-MACHINES.

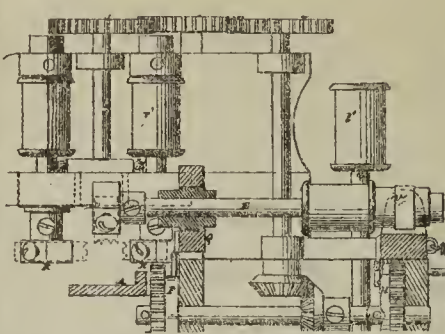
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OMNIBUS-BRAKES.

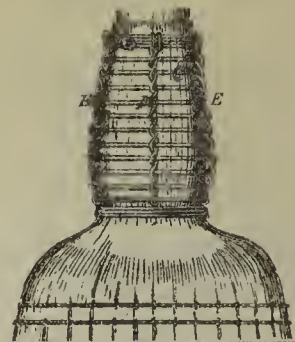
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CLAY-PULVERIZERS.

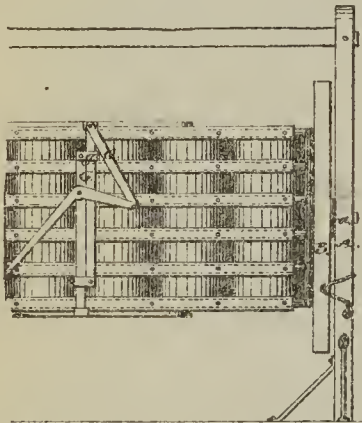
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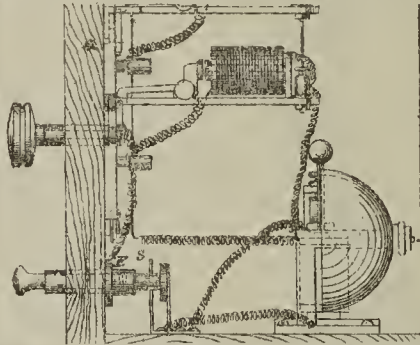
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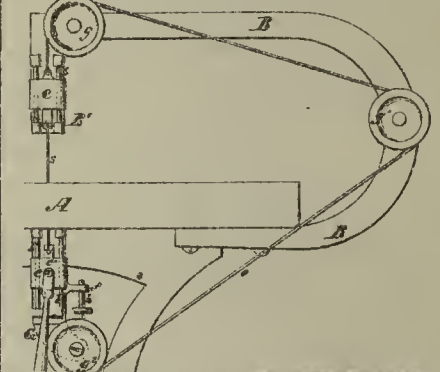
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THOMAS M. BRINTNALL
CHEESE-FRAMES.

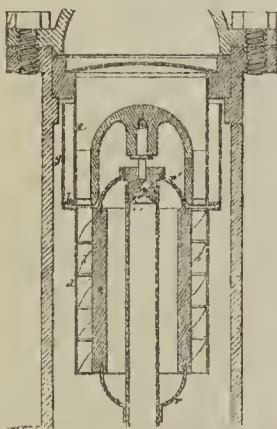
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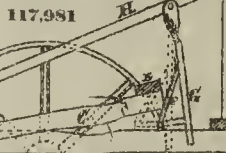
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SCROLL-SAWS.

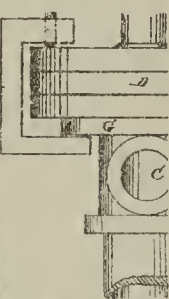
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WATER-METERS.

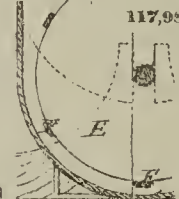
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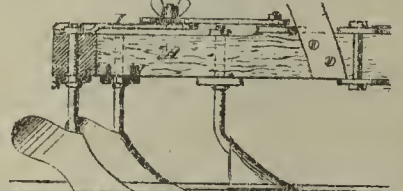
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JOSEPH TAYLOR CORNFORTH,
EGG AND FRUIT-CARRIERS.HENRY S. CATE,
PACKINGS
FOR
OIL-WELLS.DANIEL B. CLAYTON,
EGG-BEATERS.

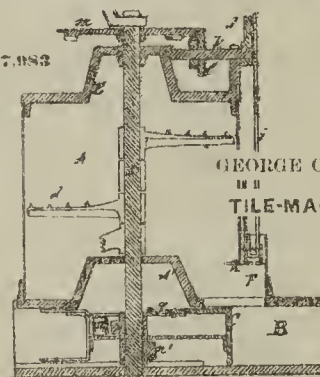
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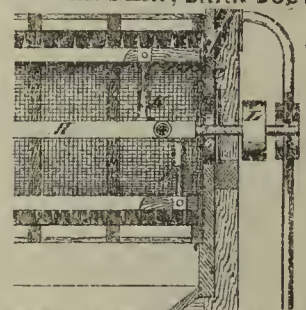
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MARKERS, AND COVERERS.

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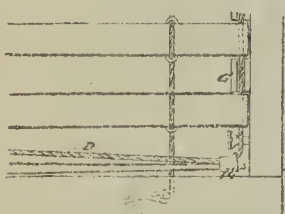
GEORGE CLAYTON,
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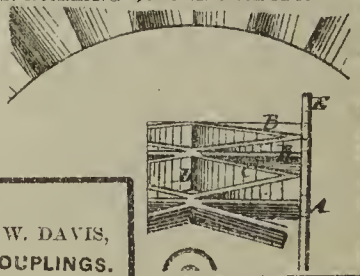


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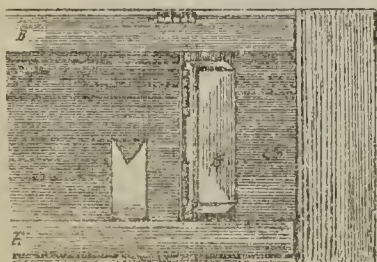
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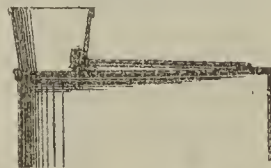
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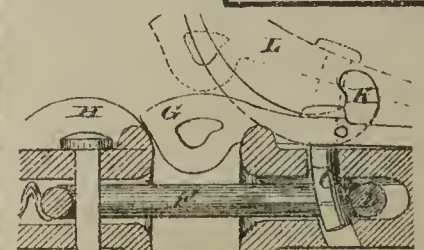
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CHARLES BÜTGENBACH,
LIFE-BOATS AND BED-BOTTOMS.

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DECANTING APPARATUS FOR OIL-CANS.

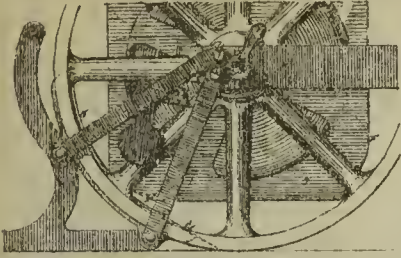
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PERRY W. DAVIS,
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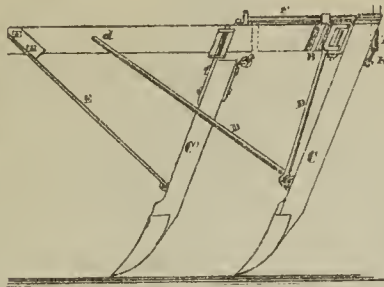
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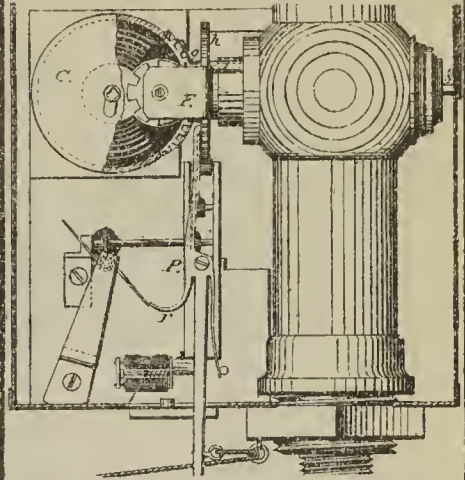
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ROBERT W. DAVIS,
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CULTIVATORS.

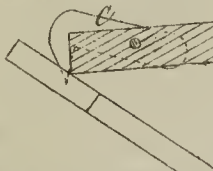
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SAMUEL GARDINER, JR.
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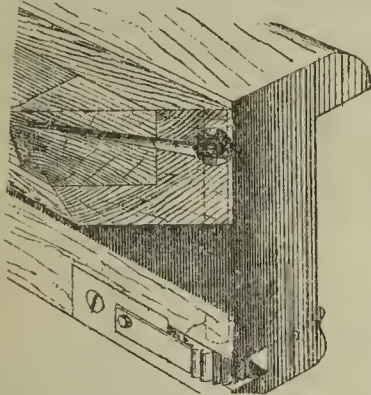
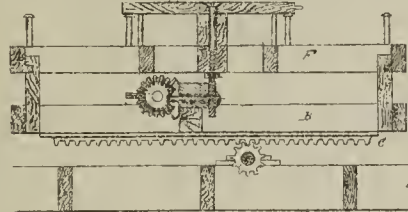
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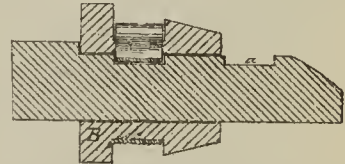
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DAVID FISHER,
IMPROVEMENT IN ROOF-BRACKETS.

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MATHEW DELANEY,
BILLIARD-CUSHIONS.118,002 EDWARD FITZHENRY,
MACHINES FOR DRESSING HIDES.

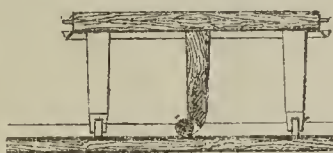
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MARCELLUS C. GRAVES,
THILL-COUPPLINGS.

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WILLIAM DOYLE,
BASE-BURNING STOVES.

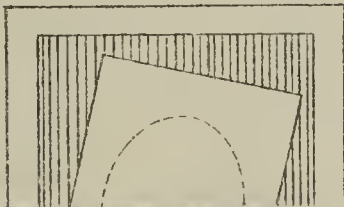
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EDWARD FITZHENRY,
MACHINES FOR DRESSING LEATHER.

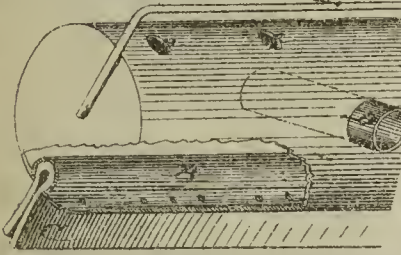
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RICHARD R. FOOTE
RAISING LETTERS ON METAL PLATES.

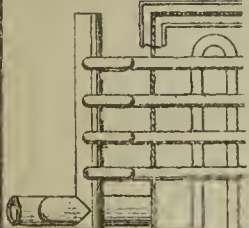
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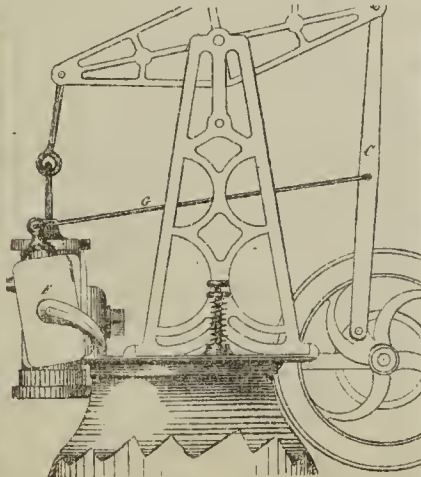
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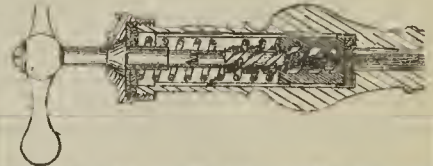
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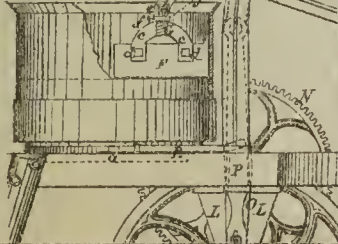
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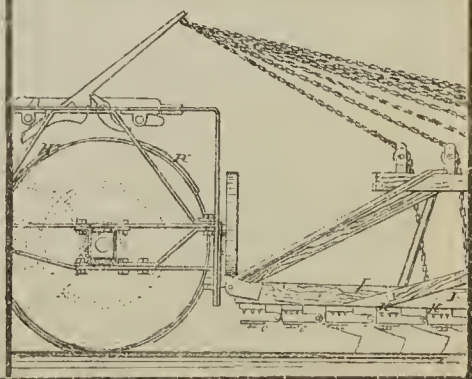
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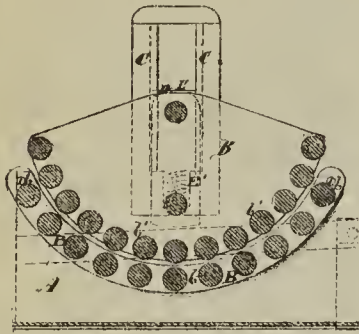
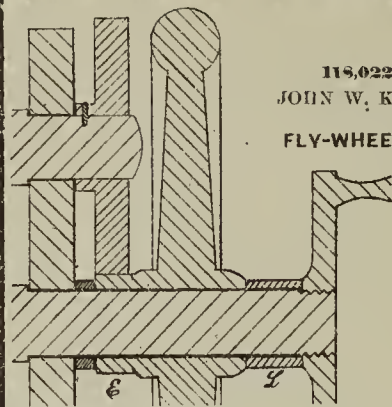
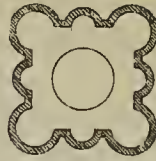
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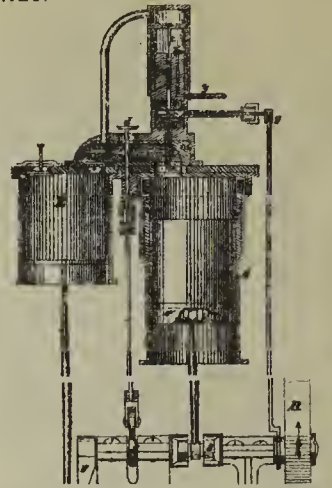
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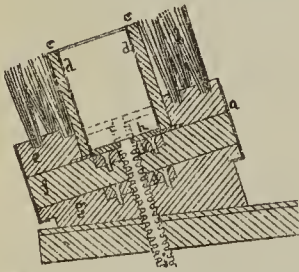
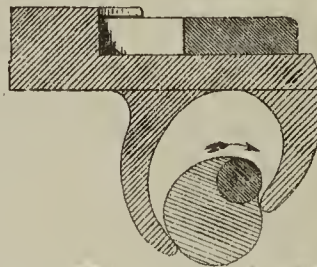
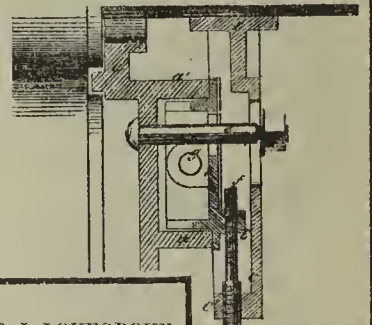
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HARVEY C. HORSEY,
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METALLIC COLUMNS.118,022
JOHN W. KEELY,
FLY-WHEELS.

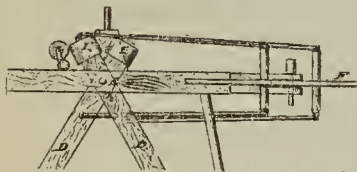
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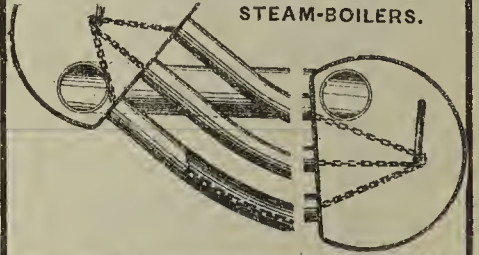
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BLIND-SLAT MACHINES.118,029 EDWARD LORD,
ROLLERS OF CARDING-MACHINES.

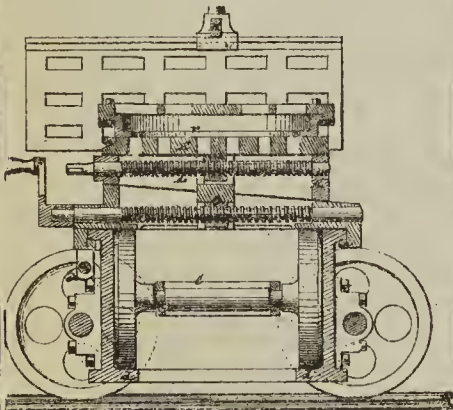
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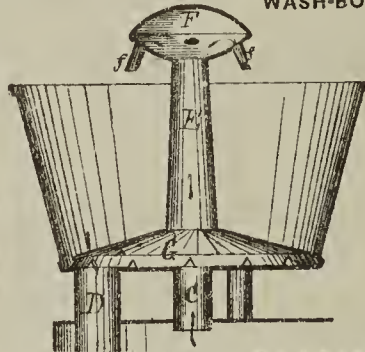
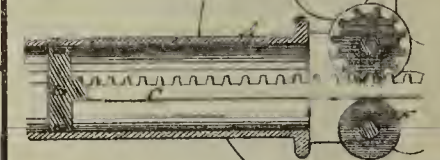
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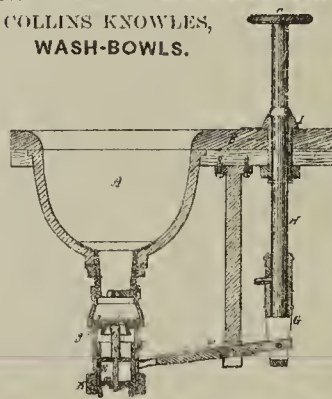
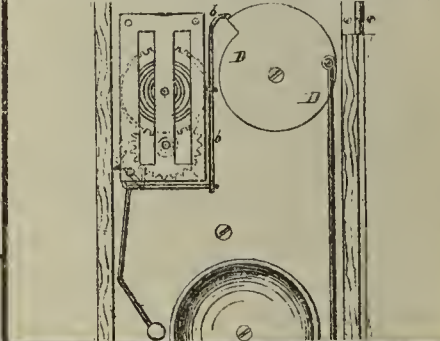
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HYDRAULIC HOISTING APPARATUS.

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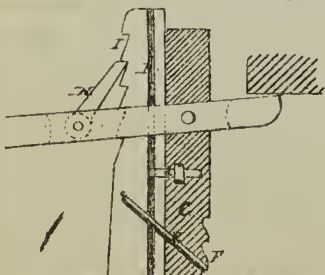
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118,019 REUEL P. JOHNSTON,
METAL CARPET-BINDINGS.

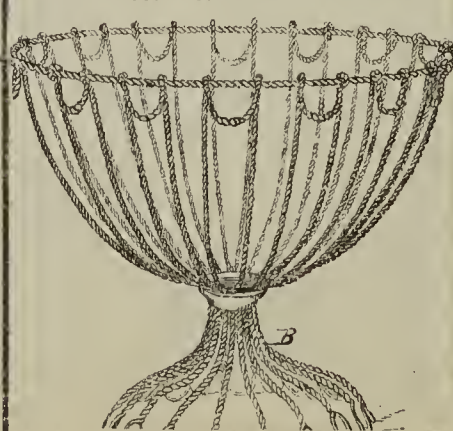
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FIRE-ALARM TELEGRAPHS.

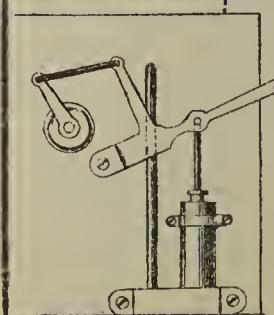
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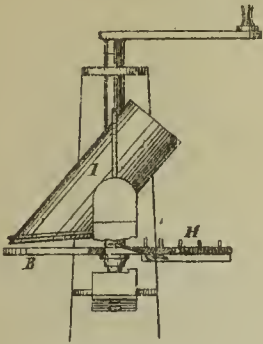
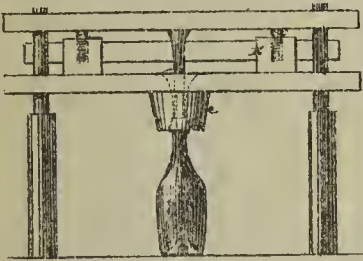
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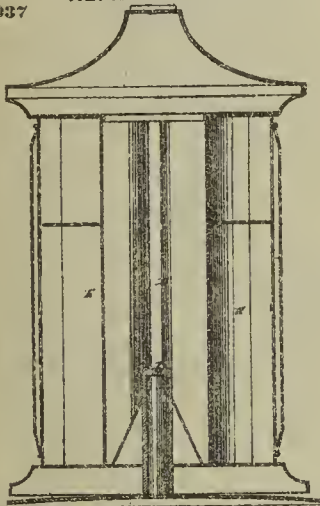
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WENZEL MASEK,
TANNING IN VACUO.

118,035

GIDEON B. MASSEY,
VEGETABLE CUTTERS.118,036 JEAN VICTOR MATHIVET,
MACHINES FOR BOTTLING LIQUIDS.JOHN MATTHEWS, JR.,
REFRIGERATORS.

118,037



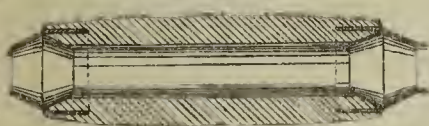
118,038 THOMAS JENNINGS MCCARVER,

SASH-HOLDERS



118,039

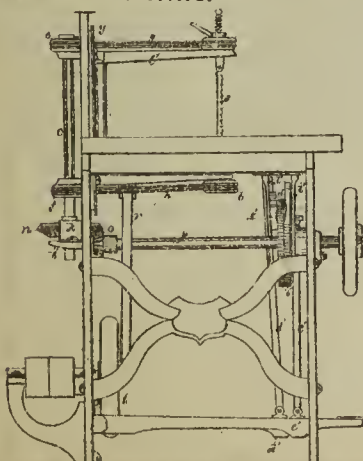
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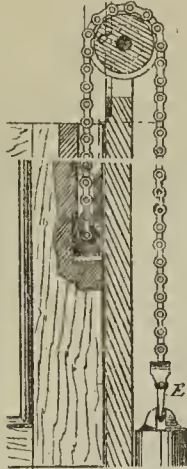
CHARLES D. MOORE,

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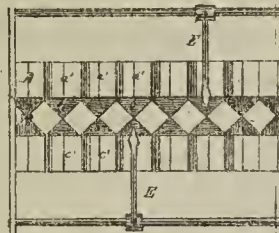
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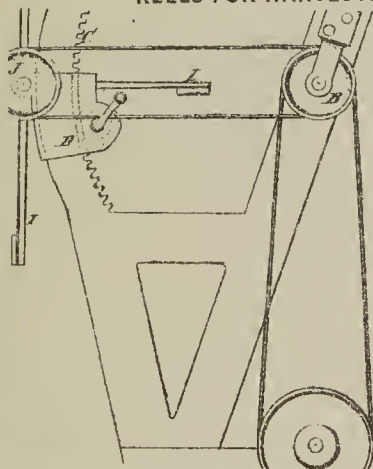
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THOMAS MORTON,
SUSPENDING WINDOW-SASHES.

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WILLIAM HENRY NEWELL,
BILLIARD-MARKERS.

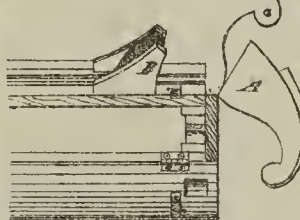
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NUTTING AND ALLEN,
REELS FOR HARVESTERS.

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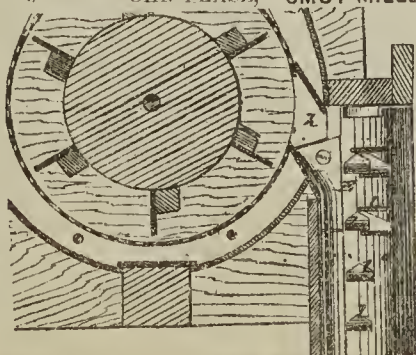
ADDISON M. OSBORN,
LOOPS FOR HARNESS.

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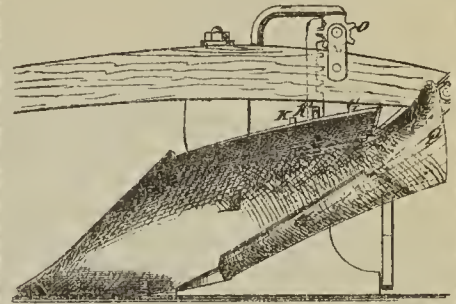
FREDERICK C. PAYNE,
LOUNGE-BEDSTEADS.

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DAN PEASE, SMUT-MILLS.

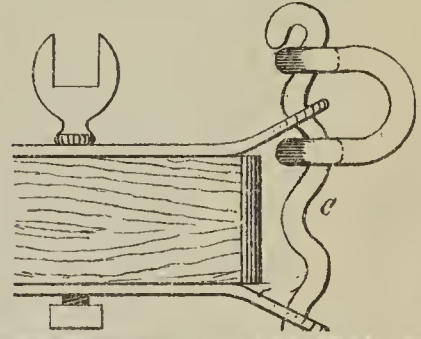


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CHARLES B. PETTENGILL,
REVERSIBLE SIDE-HILL PLOWS.

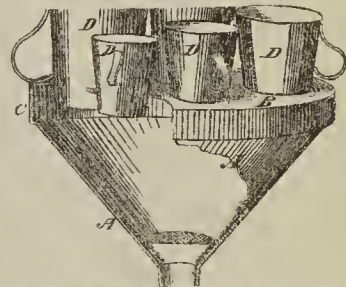
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SAMUEL W. POPE, CLEVISSES.



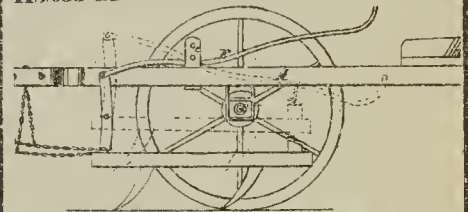
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NORMAN L. PRICE, FUNNELS.

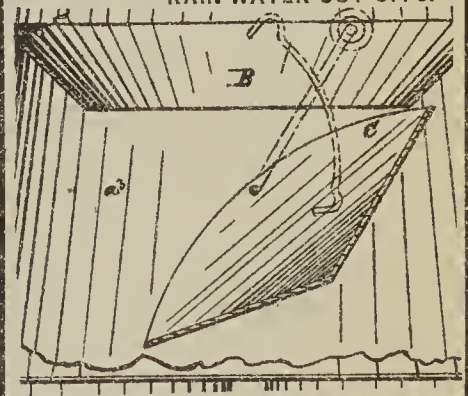


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EDWIN REESE, CULTIVATORS.



118,051

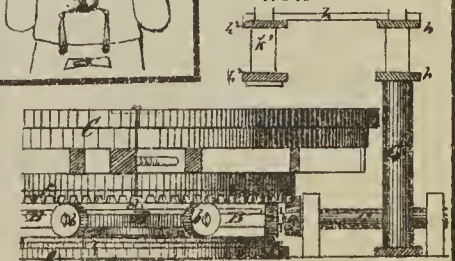
BERNARD REIN,
RAIN-WATER CUT-OFFS.

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THOMAS RICH, SUSPENDERS.



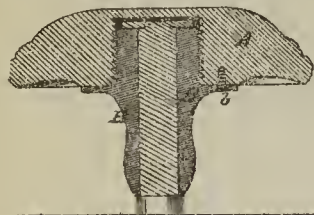
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TITUS H. RUSSELL,
HORSE-POWERS.

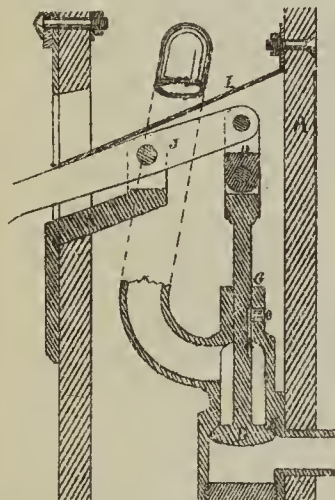
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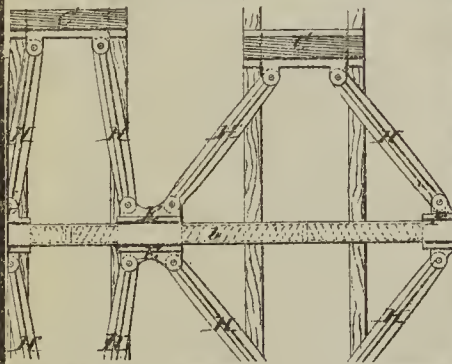
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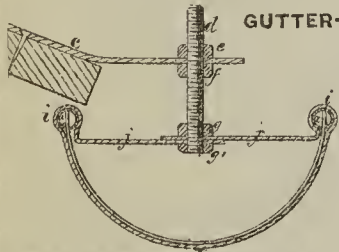
118,059 NICKOLAS SCHLESSER, HYDRANTS.



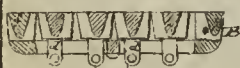
118,060 JOHN SCHILEY, COTTON-PRESSES.



118,061 ALBERT B. SCHULZ, GUTTER-STRAPS.



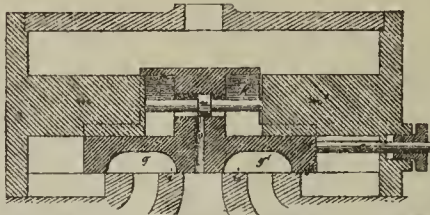
118,062 WILLIAM SHEPHERD, DROP-GRATES FOR FURNACES.



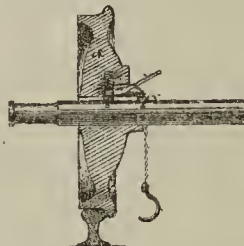
118,063 DON CARLOS SMART, DOOR-CHECKS.



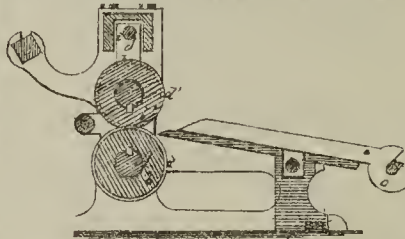
118,064 WILLIAM B. SNOW, VALVES.



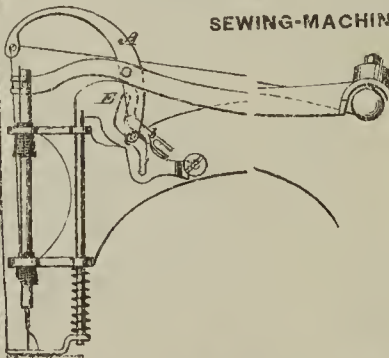
118,065 WILLIAM B. SNOW, ADJUSTABLE-GAUGE CAR-WHEELS.



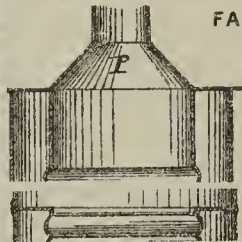
118,066 STARKEY AND POSTON, PAPER-TRIMMING MACHINES.



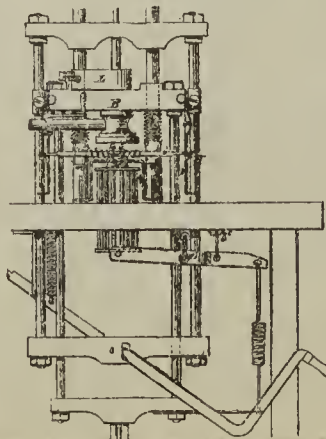
118,067 CARLOS STEBBINS, SEWING-MACHINES.



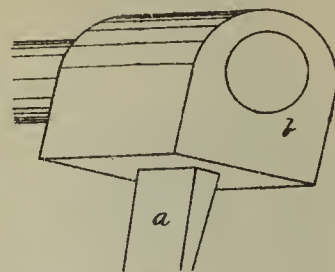
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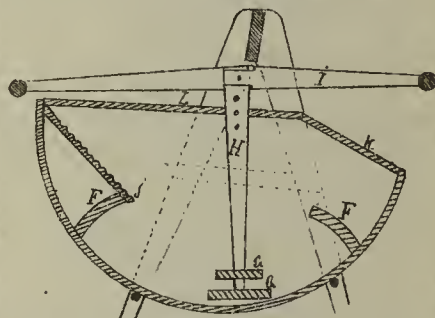
118,069 ESAU D. TAYLOR, BOTTLING GAS-CHARGED LIQUIDS.



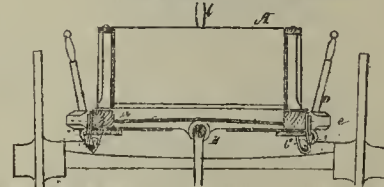
118,070 THOMAS A. TAYLOR, ICE-PICKS.



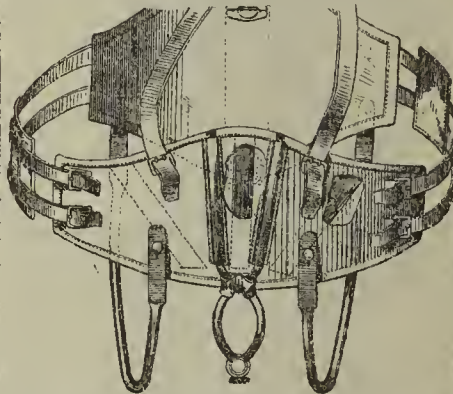
118,071 JAMES M. THOMPSON, WASHING-MACHINES.



118,072 JEREMIAH R. TRUE, DUMPING-CARRIAGES.



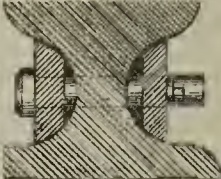
118,073 WILLIAM S. VAN CLEVE, UTERINE SUPPORTERS.



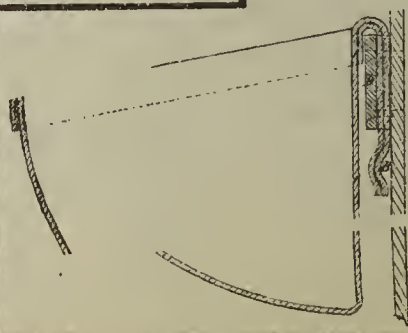
118,074 VAN VANDERBURGH, WASHING-MACHINES.



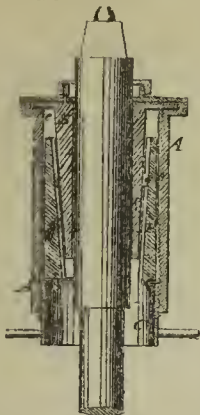
118,075 SAMUEL VANSTONE, DEVICES FOR LOCKING-BOLTS.



118,076 ALFRED A. VITT, ELEVATOR-CUPS.

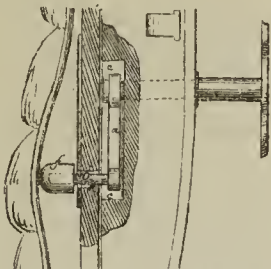


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HERMAN W. VITT,
BUSHES FOR MILL-SPINDLES.

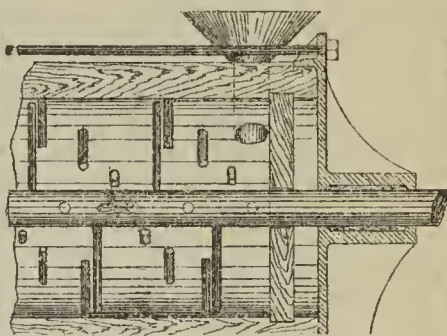
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HANDLES FOR CARRIAGE-DOORS.

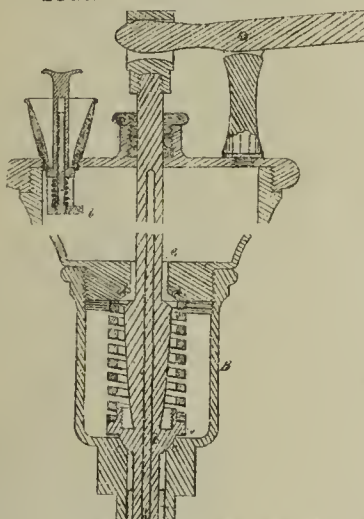


118,092 GUSTAVUS AMES,

BEATING-ENGINES



118,078

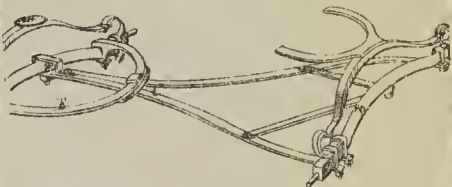
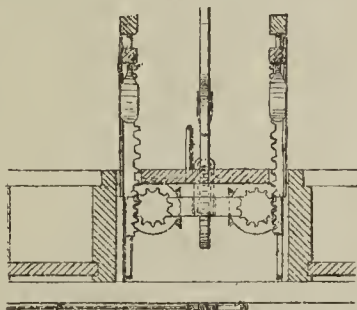
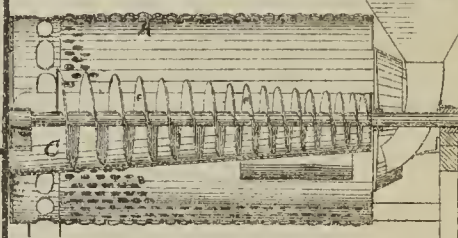
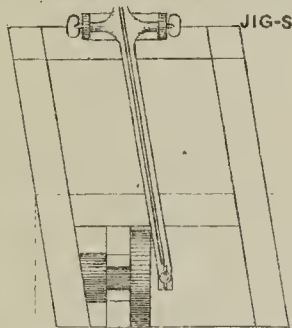
MOSES N. WARD,
LUBRICATING APPARATUS

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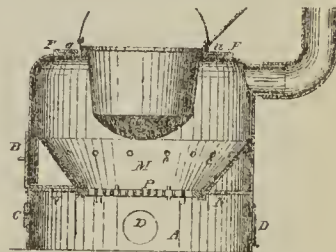
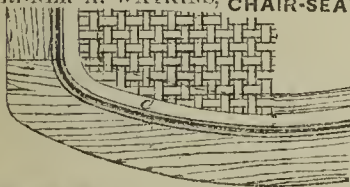
WILLIAM WESTLAKE,
DUST-PANS.

118,093 ANDERSON AND BENSON,

RUNNING-GEARS FOR CARRIAGES.

118,085 OLIVER P. WESTON,
CARRIAGE-WASHING MACHINES.118,091 FREDERICK A. BALCH,
GRAIN-SEPARATORS.118,087 ARTEMUS H. WHITNEY,
JIG-SAWS.

118,095

HENRY BEATTY,
PORTABLE FURNACES.118,079 GARDNER A. WATKINS,
CHAIR-SEATS.

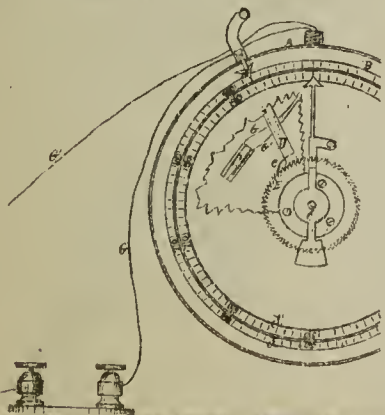
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THOMAS N. WEBB,
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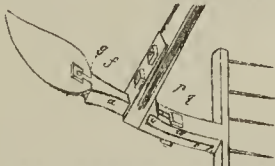
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THOMAS N. WEBB,
CURTAIN-FIXTURES.

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GEORGE A. WEBSTER,
BILLIARD-GAME REGISTERS.

118,088

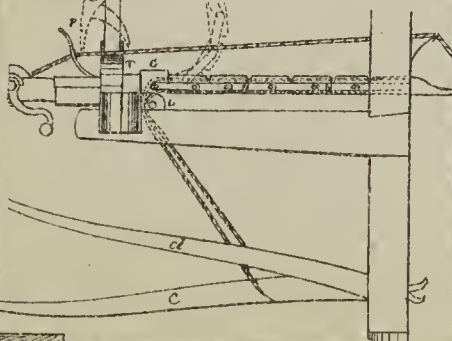
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GARDEN IMPLEMENTS.

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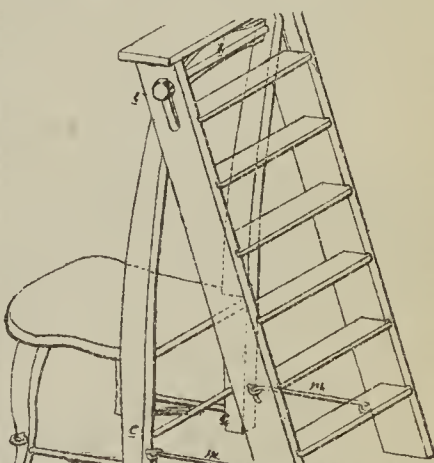
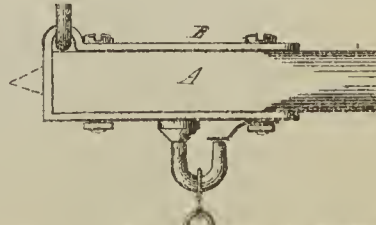
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BRAKES FOR BENDING SHEET METAL.

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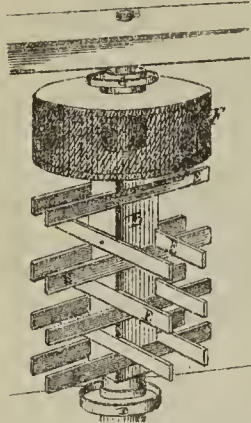
JAMES YOULL, GRAIN-BINDERS.



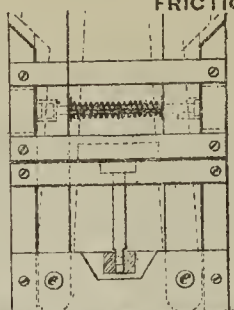
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CHAIRS AND LADDERS.118,097 WILLIAM BERGMANN,
BARREL AND BOX-ELEVATORS.

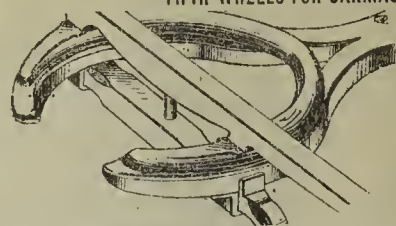
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WILLIAM BOSWELL,
MILK-RACKS.

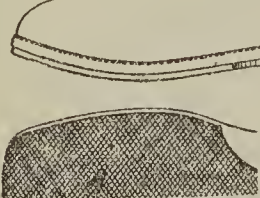
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JOHN C. CLAPP
FRICTION-BRAKES

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DAVID C. DORAN,
FIFTH-WHEELS FOR CARRIAGES.

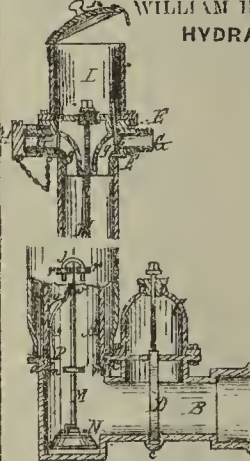
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WILLIAMS AND BOURN,
TAP-SOLES FOR RUBBER BOOTS

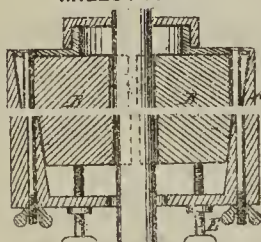
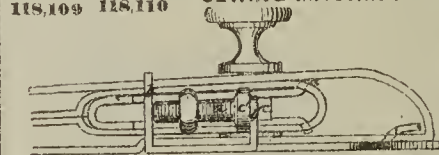
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JOHN B. CLEVELAND,
ARROW-SPRINGS.

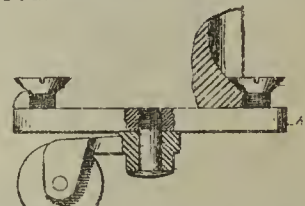
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WILLIAM H. DUFFETT,
HYDRANTS.

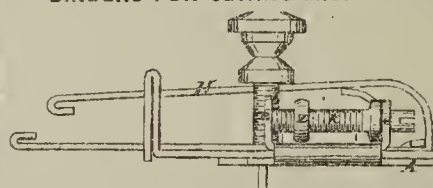
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JAMES BROWN,
MILLSTONE-BUSHES.COLTON AND BABCOCK,
SEWING-MACHINES.

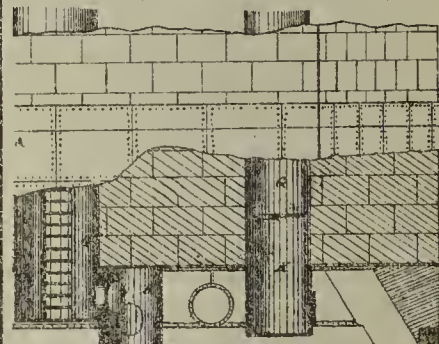
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FRANK HARPER DUNCAN,
CASTERS FOR SEWING-MACHINES.

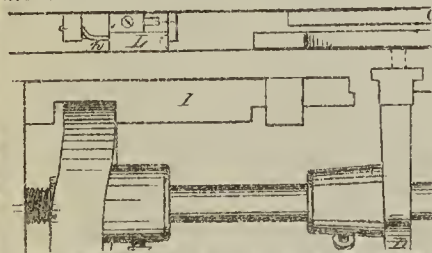
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COLTON AND BABCOCK,
BINDERS FOR SEWING-MACHINES.

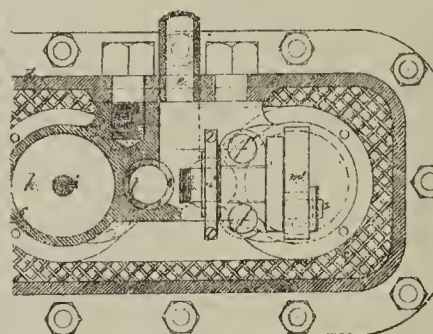
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JAMES B. EADE,
CAISSONS FOR SINKING PIERS.

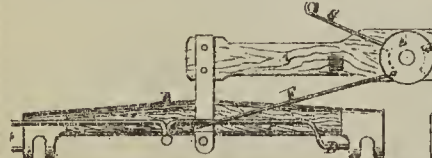
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MARTIN BUCK,
MACHINES FOR CRIMPING BLIND-SLATS.

118,112 DAVID P. DAVIS, METERS.



118,103

BYRD AND BYRD,
SAFETY-WHIFFLETREES.

118,119

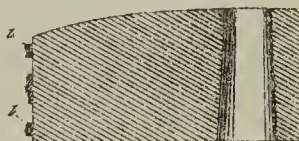
THOMAS EDMUNDS, PLOWS.

CAPEWELL, CAPEWELL, AND CAPEWELL,
CHARGERS FOR POWDER-FLASKS.

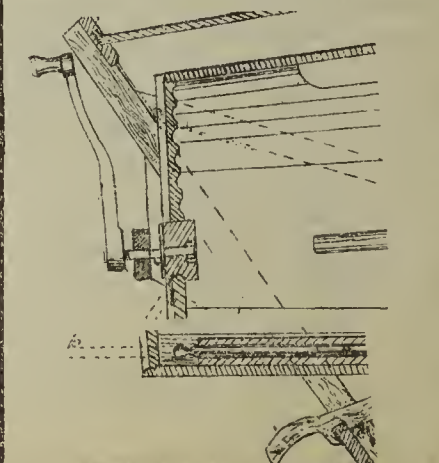
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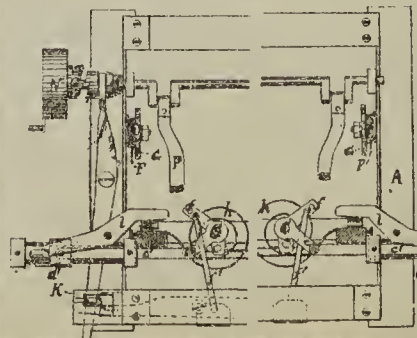
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ZEDEKIAH DAWSON,
MILLSTONE-BALANCES

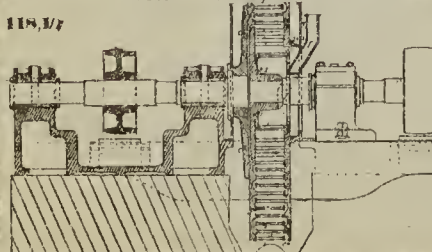
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ROBERT E. FERGUSON,
WASHING-MACHINES.

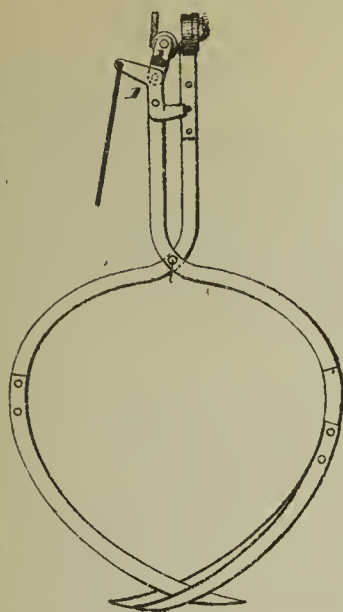
118,114 JOHN DETWEILER, LOOMS.



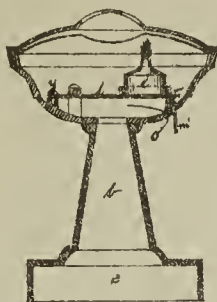
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THOMAS CARR,
FLOUR.

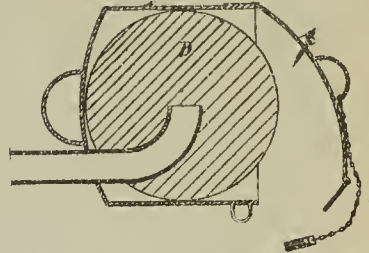
118,121 BENJAMIN G. FOX,
FORKS FOR HAY-ELEVATORS.



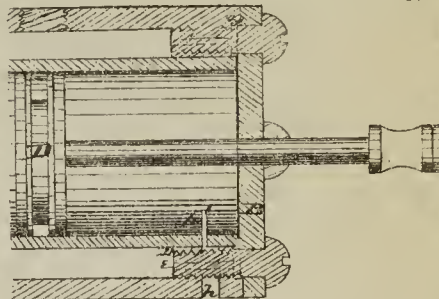
118,126 E. WARREN HASTINGS,
ILLUMINATING INCENSE-BURNERS.



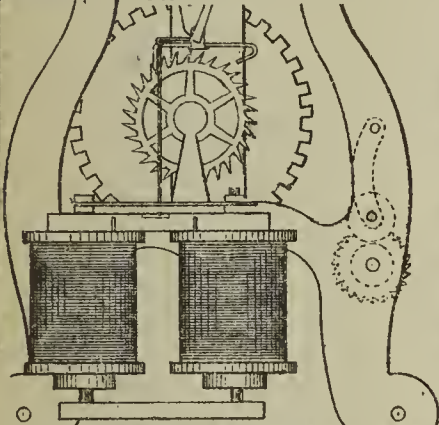
118,132 WILLIAM K. HOFNER,
HYDROCARBON TORCHES.



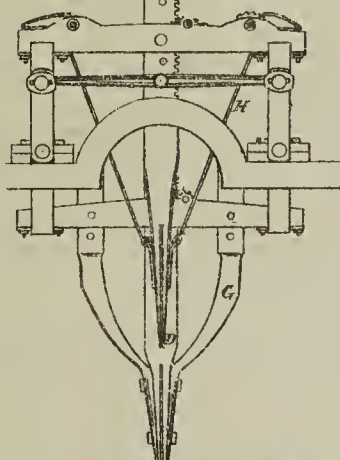
118,133 AMARIAH W. JACKSON,
STEAM-ENGINES.



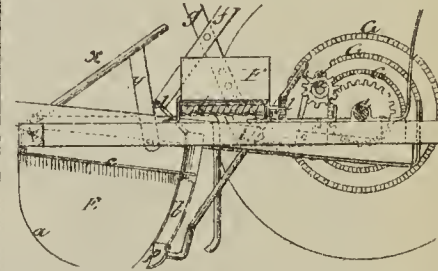
118,122 ROBERT H. GALLAHER,
PRINTING-TELEGRAPH



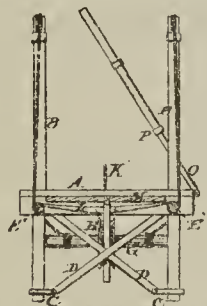
118,127 BENJAMIN S. HEATH,
MARINE PROPULSION.



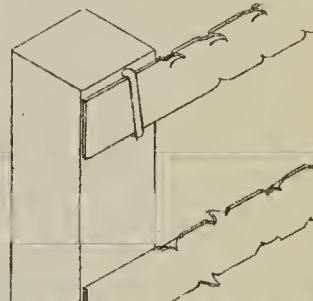
118,131 JOHN JACKSON, JR.,
CORN-PLANTERS.



118,128 ANDREW J. HEAVNER,
ADJUSTABLE SCAFFOLDINGS.



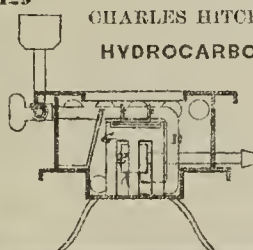
118,135 LYMAN P. JUDSON, FENCES.



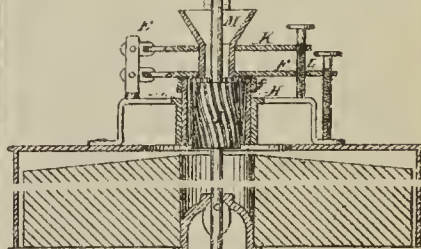
118,123 MORTIMER GRIFFIN,
TABLE-SLIDES.



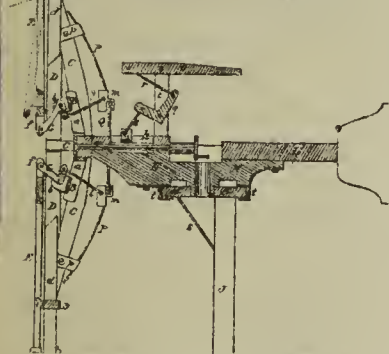
118,129 CHARLES HITCHCOCK
HYDROCARBON STOVES.



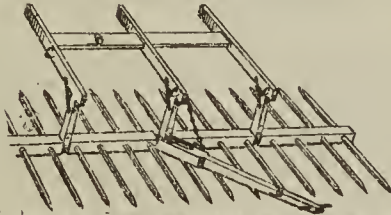
118,136 ERNST C. L. KUNNECKE,
GRIST-MILLS.



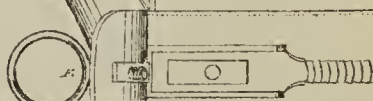
118,124 JAMES HALL,
WINDMILLS.



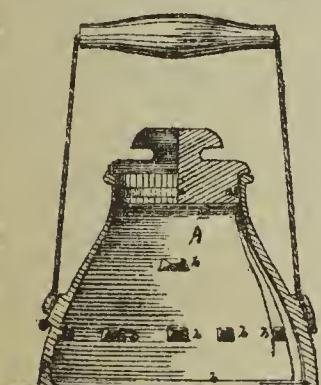
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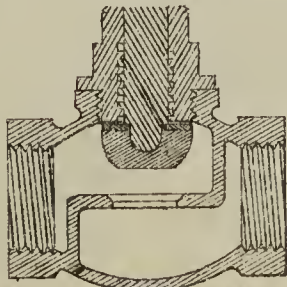
118,137 LEONARD AND LEONARD,
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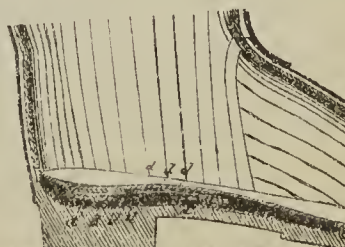
118,125 HERRICK R. HALSEY,
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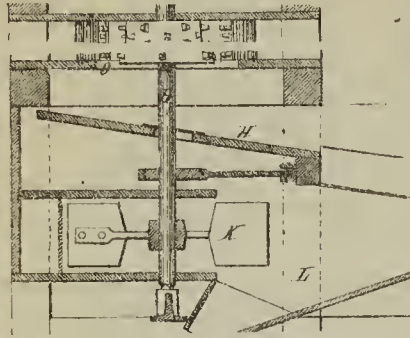
118,131 JAMES EDWIN HOOPER,
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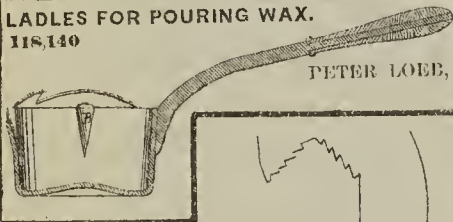
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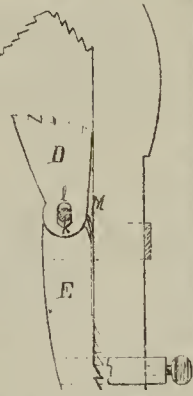
118,139 HENRY LIPPOLD,
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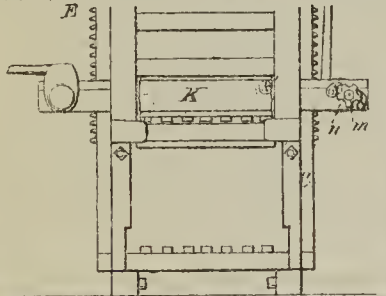
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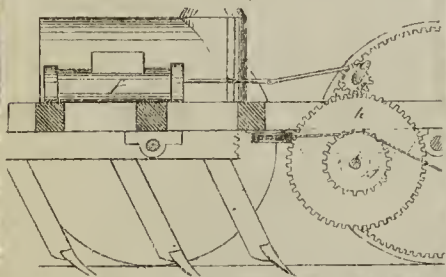
118,141 ALLEN P. LORD,
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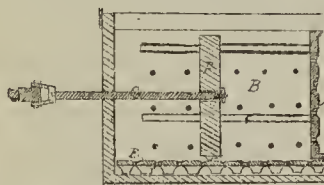
118,142 RANSOM MAULDIN,
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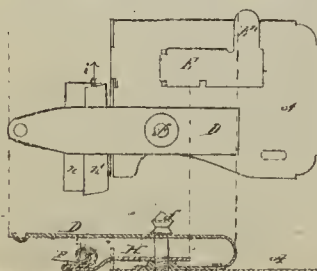
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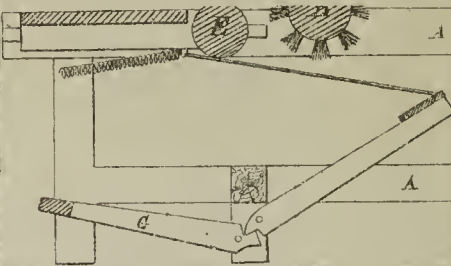
118,144 THOMAS M. MILLETT,
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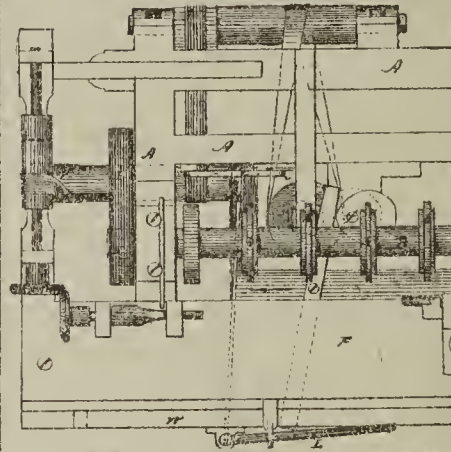
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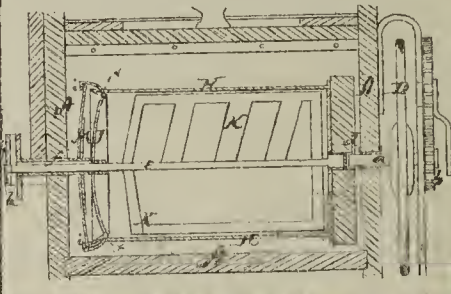
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118,148 PIERCE AND CURTIS,
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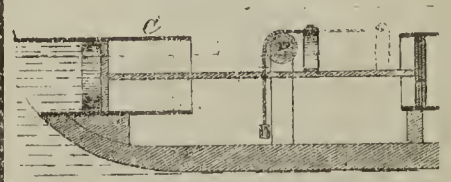
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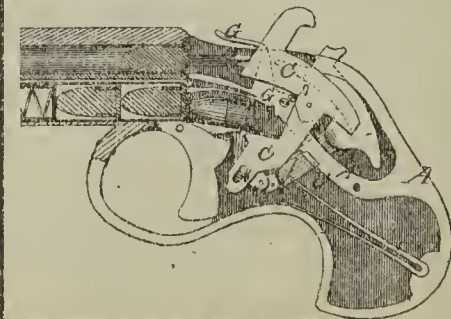
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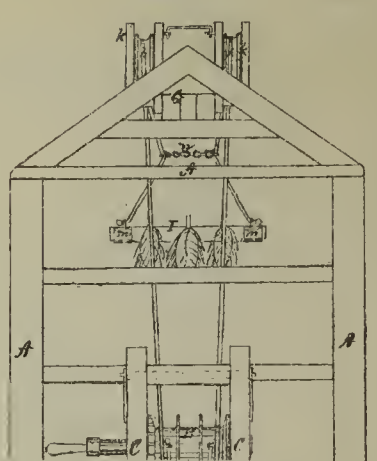
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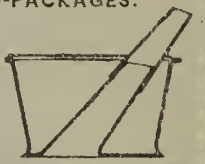
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118,153 REPS. O. ROBERTSON,
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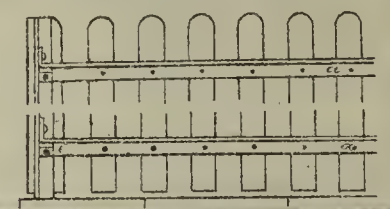
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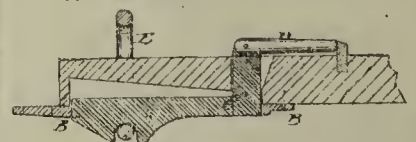
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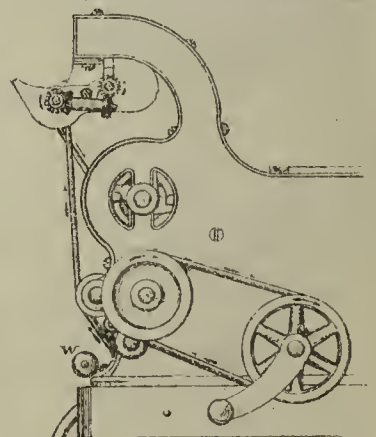
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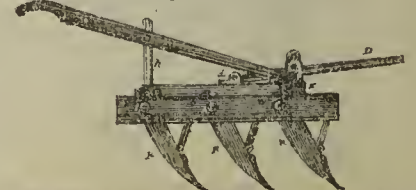
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118,158 CHARLES G. SARGENT,
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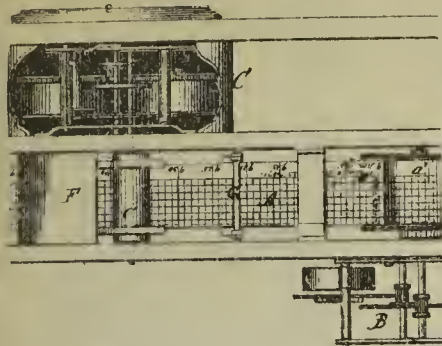


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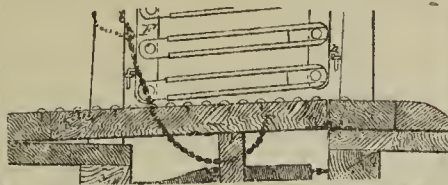
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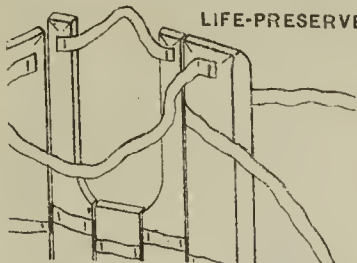


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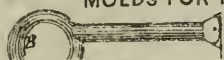
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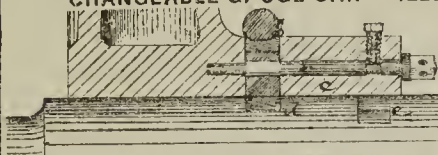
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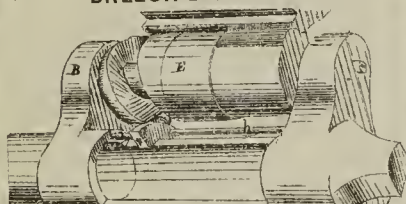
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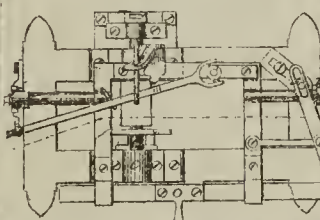
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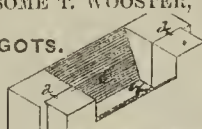
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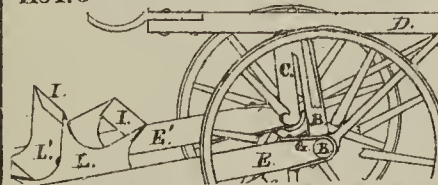
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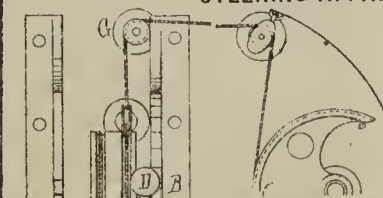
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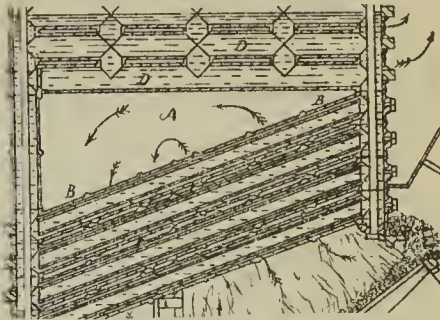
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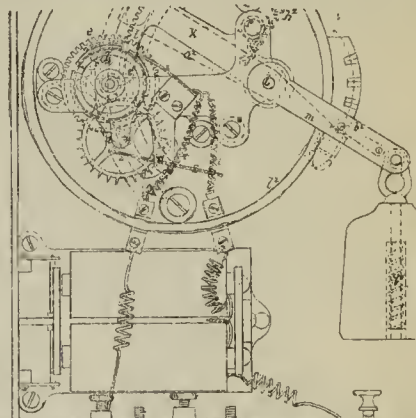
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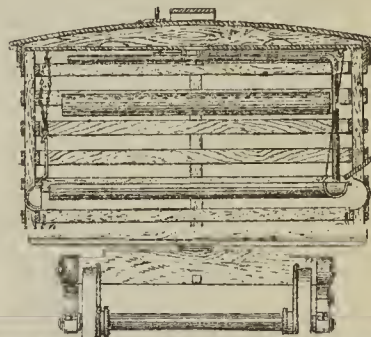
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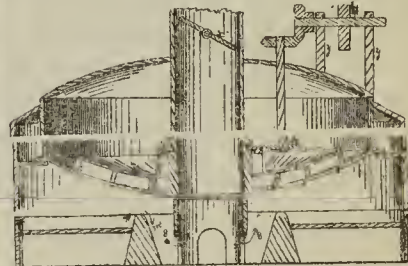
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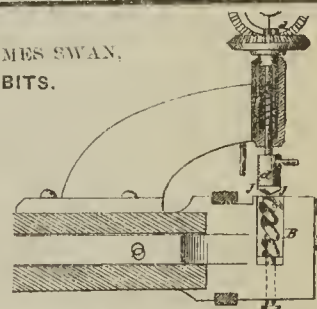
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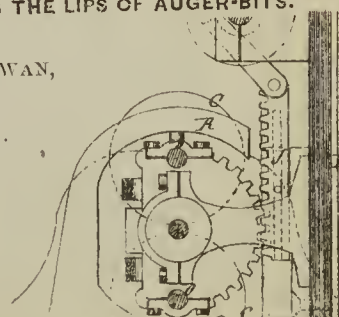
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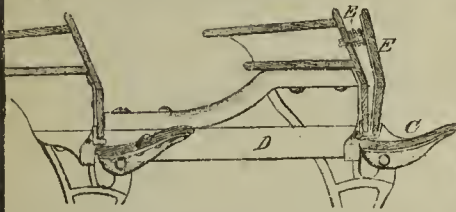
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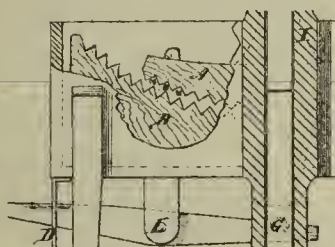
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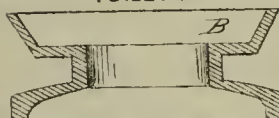
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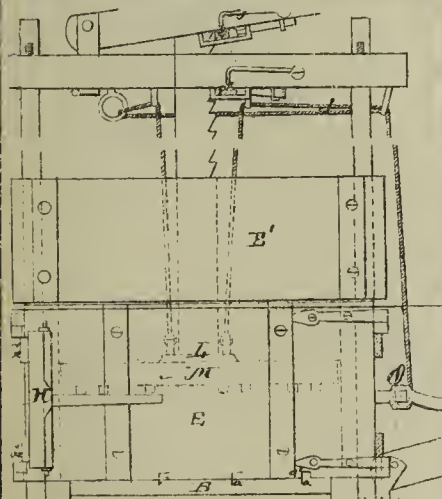
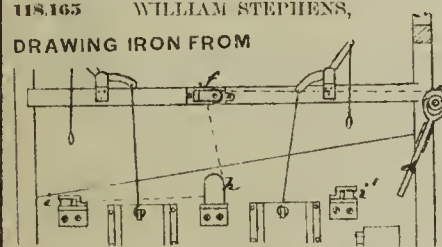
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118.164 ADAM SPANIER, HAY-PRESSES.

118.165 WILLIAM STEPHENS,
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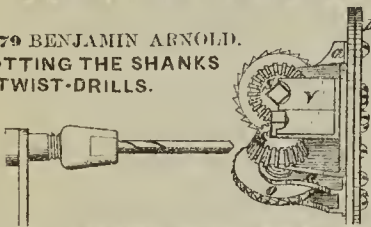
THE UNITED STATES PATENT OFFICE

AUGUST 22, 1871.

118,178 BENJAMIN ARNOLD, TWIST-DRILL



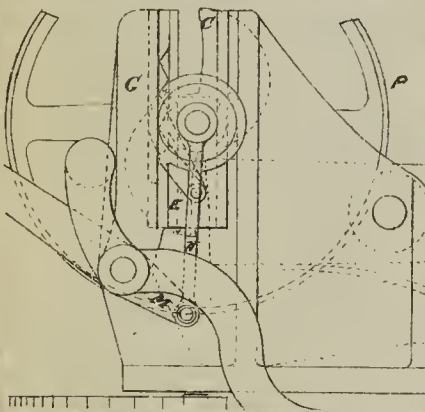
118,179 BENJAMIN ARNOLD,
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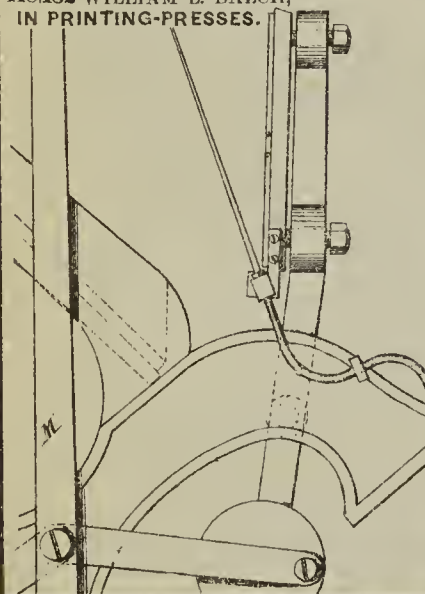
118,180 WILLIAM F. BAADÉ,
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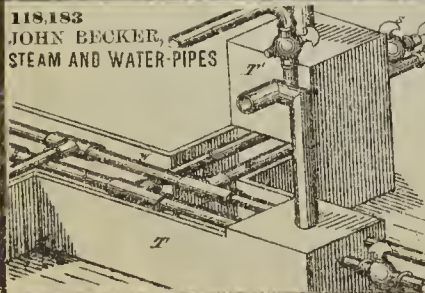
118,181 HUGH BAINES, TILT-HAMMERS.



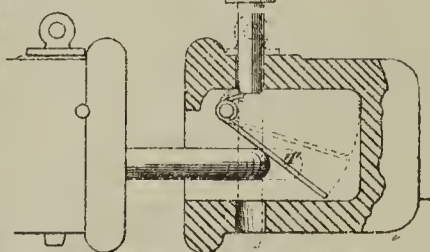
118,182 WILLIAM L. BALCH,
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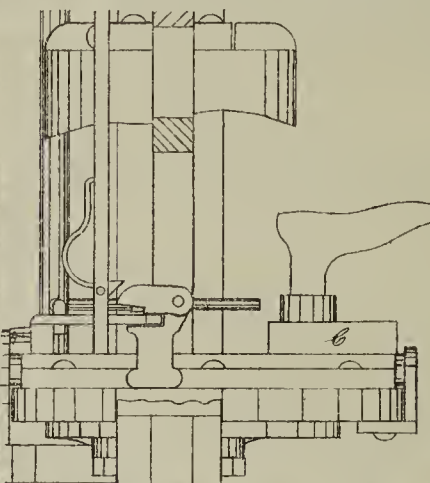
118,183 JOHN BECKER,
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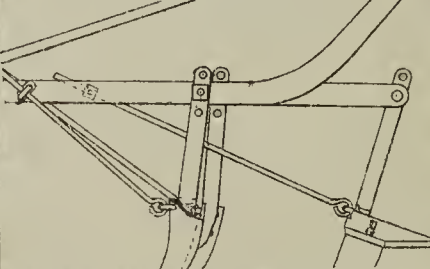
118,184 WILLIAM C. BIBB,
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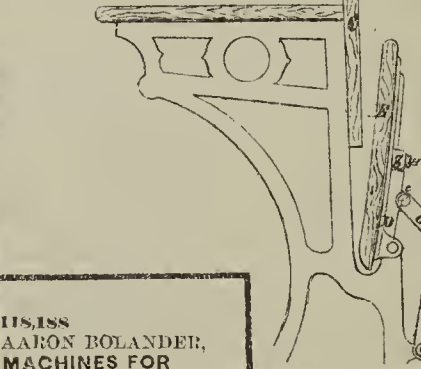
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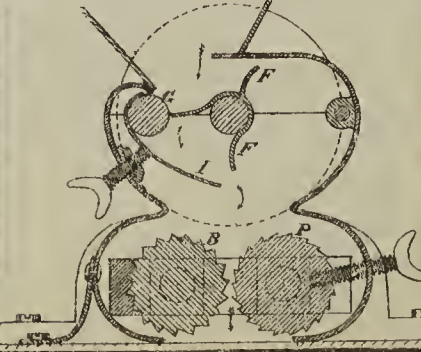
118,186 BENGT O. BLOMSTEN,
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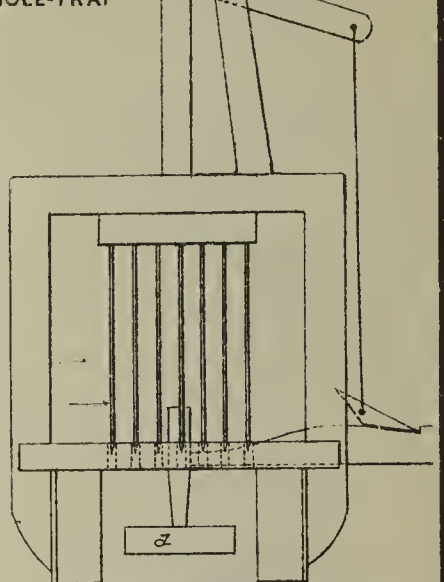
118,187 ALBICK M. BODWELL,
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118,188 AARON BOLANDER,
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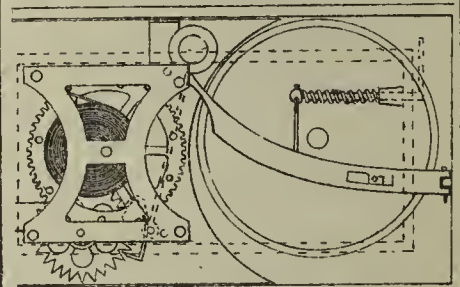
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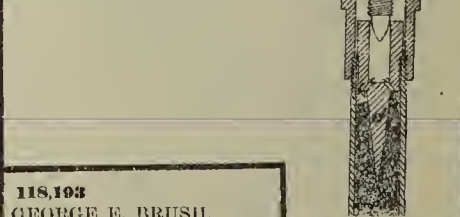
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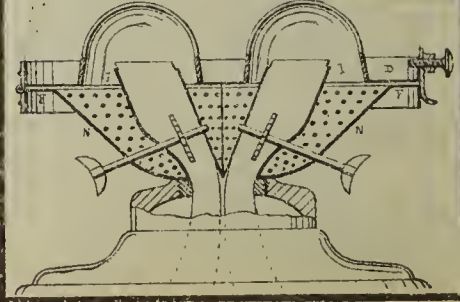
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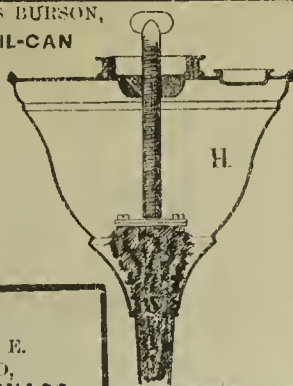
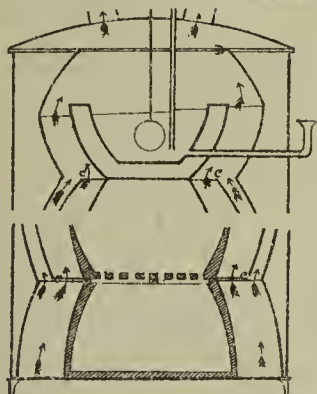
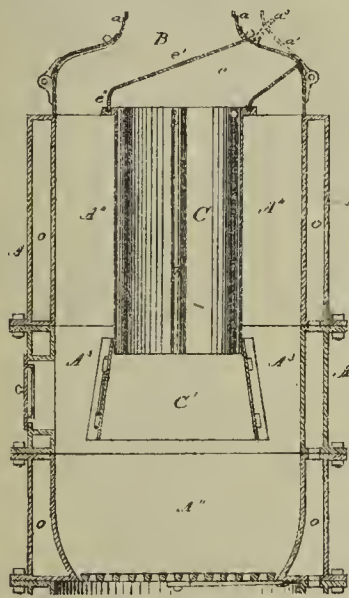


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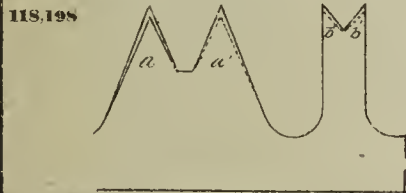
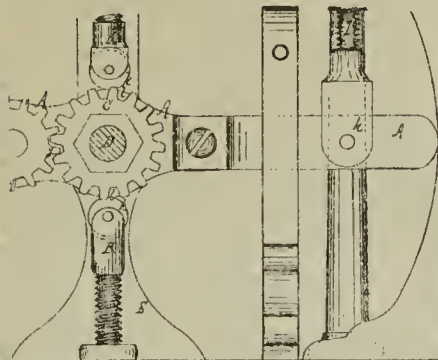
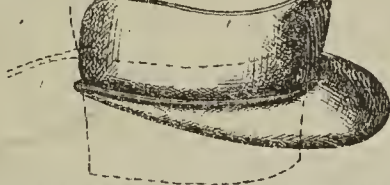


118,193 GEORGE E. BRUSH,
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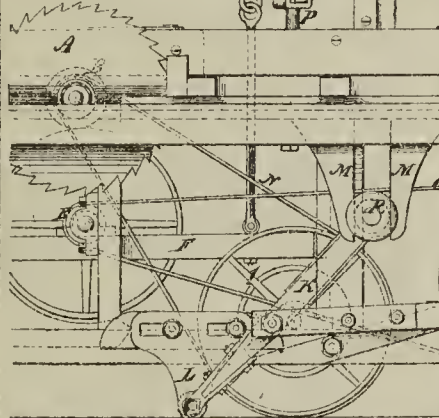
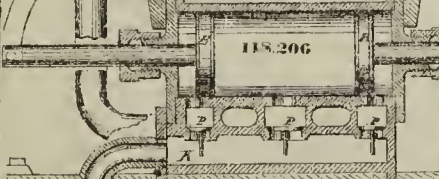


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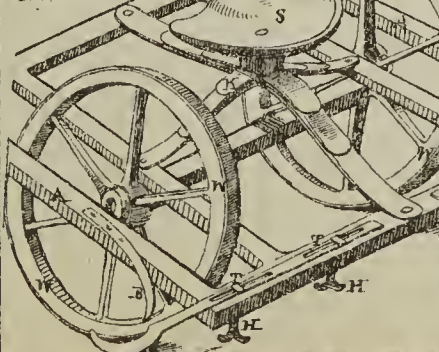
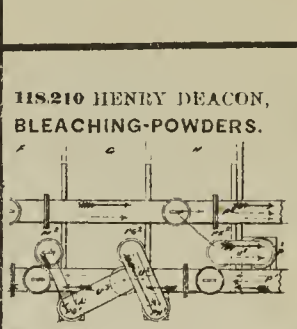
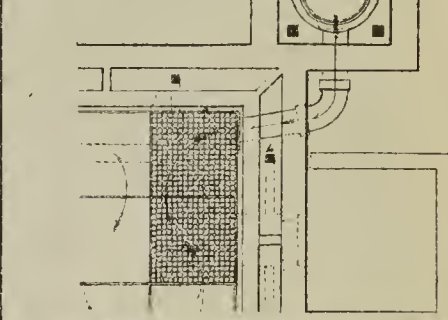
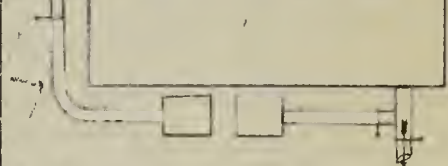
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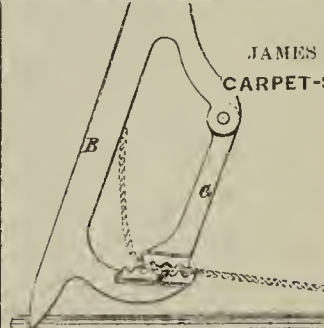
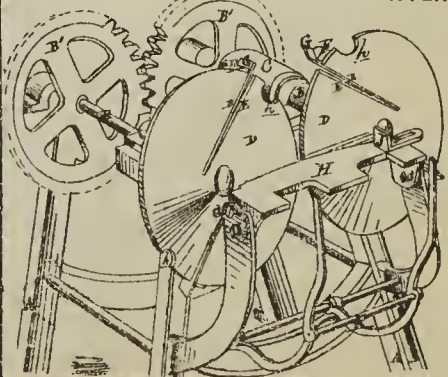
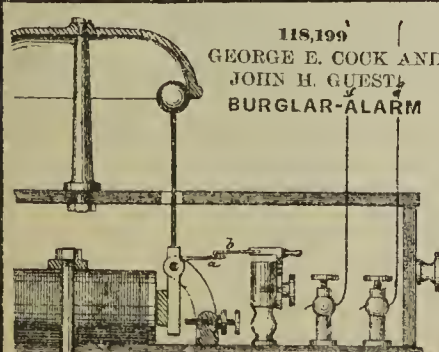
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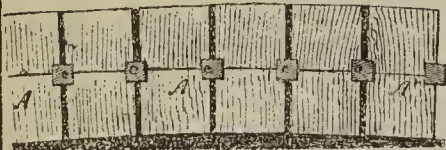
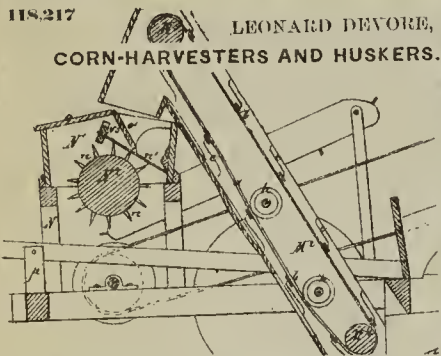
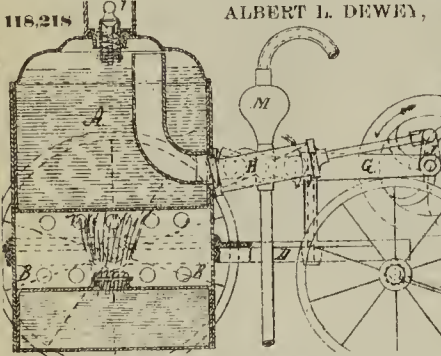
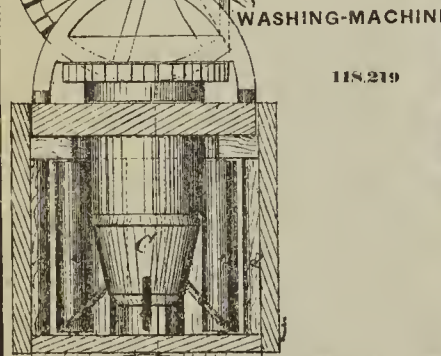
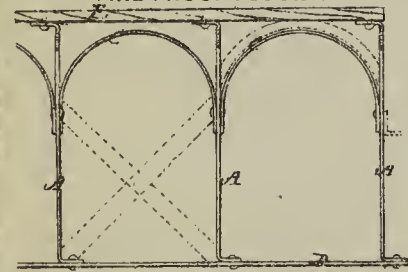
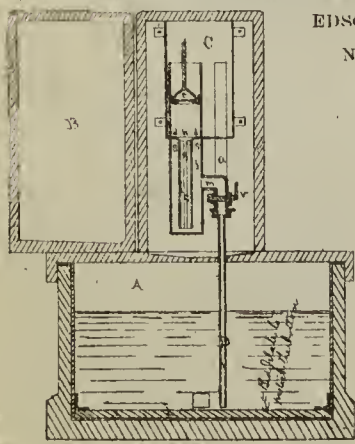
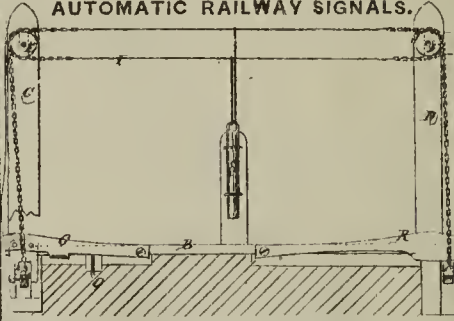
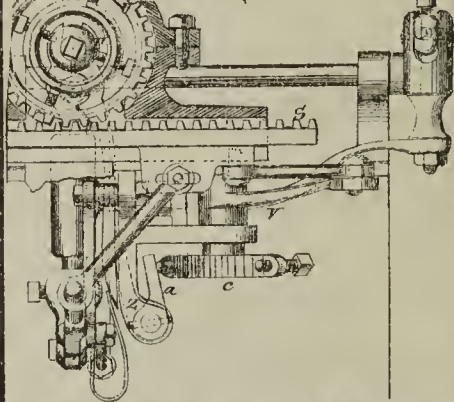
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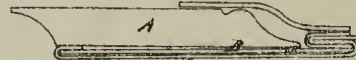
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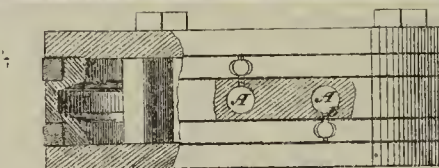
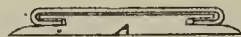
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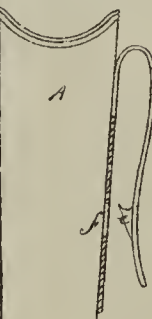
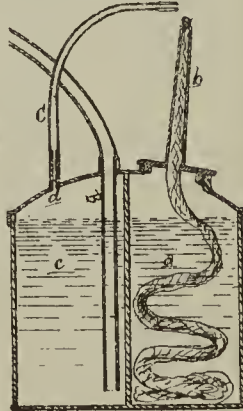
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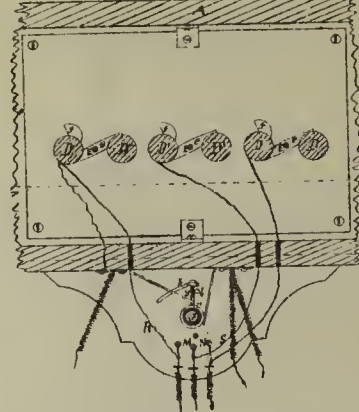
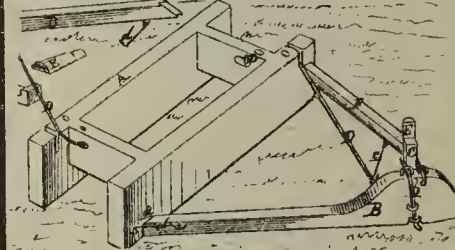
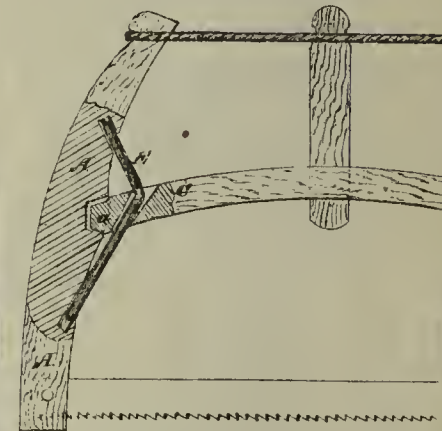
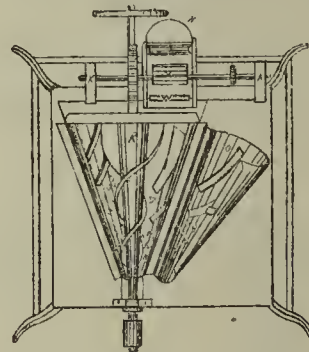
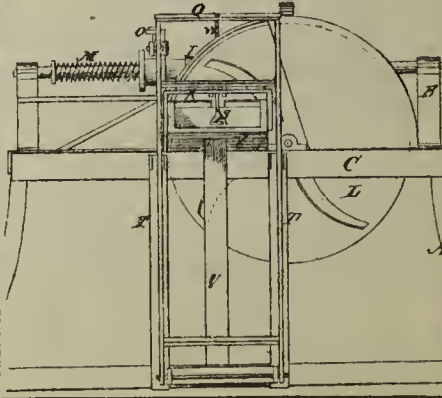
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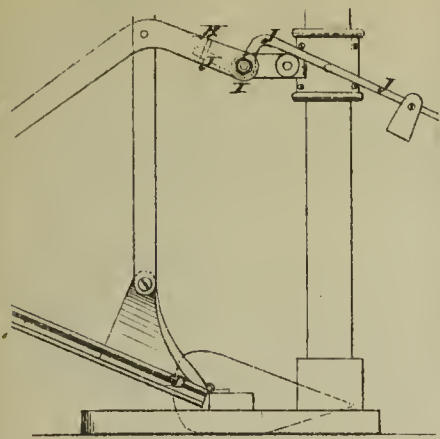
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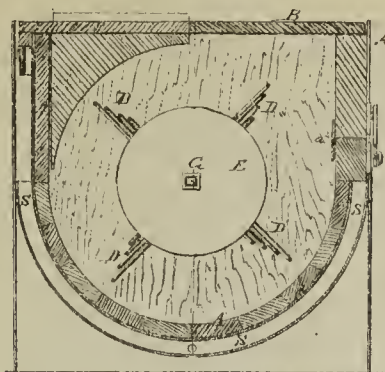
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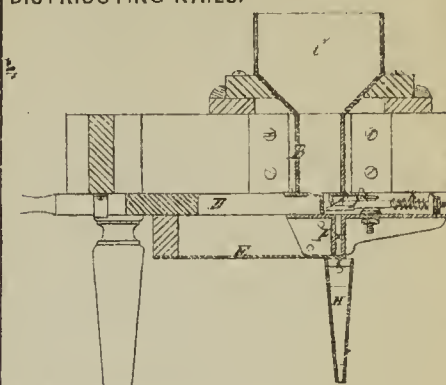
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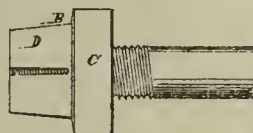
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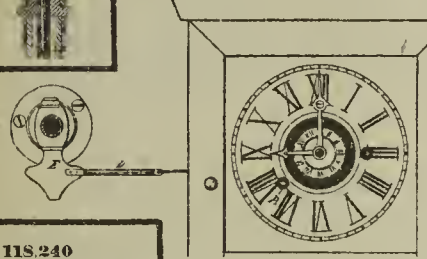
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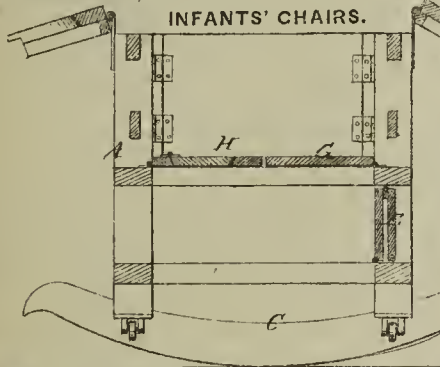


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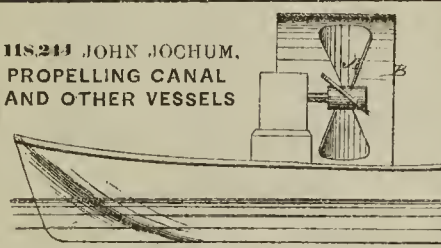


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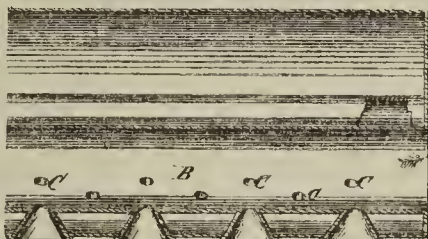
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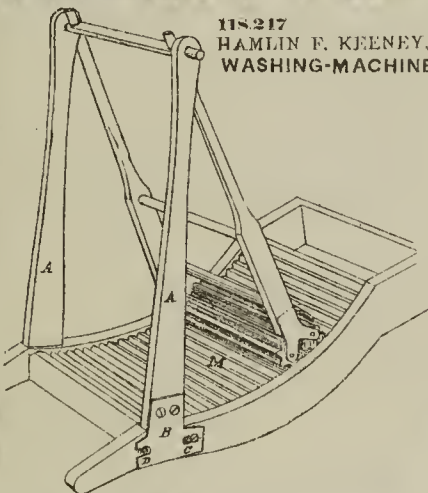
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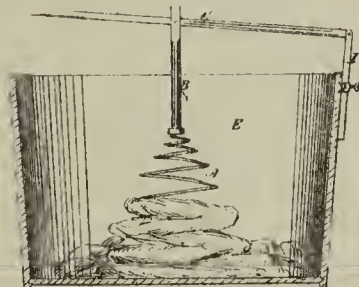
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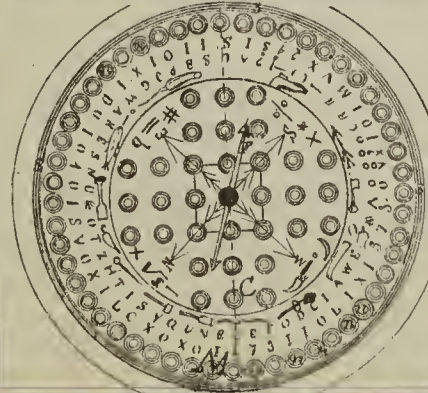
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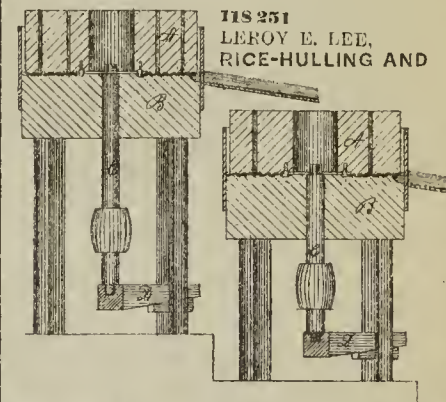
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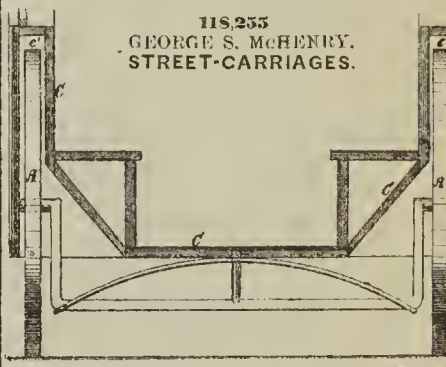
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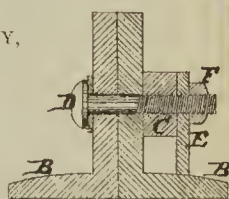
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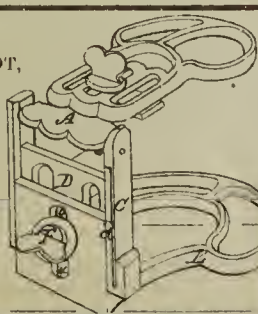
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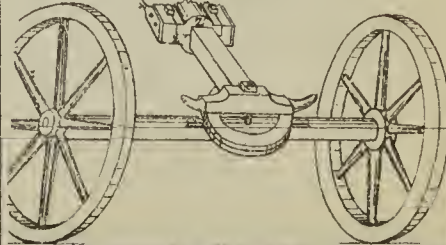
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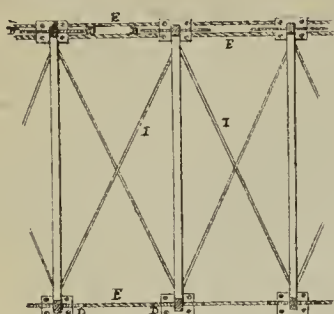
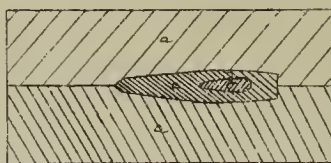


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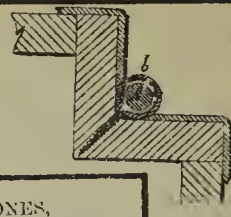
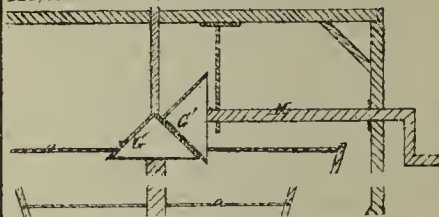
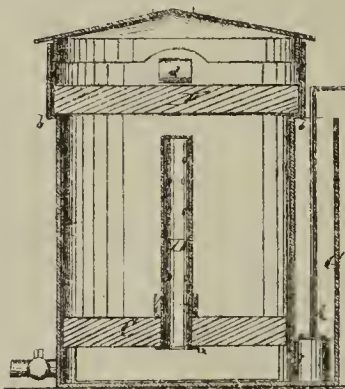
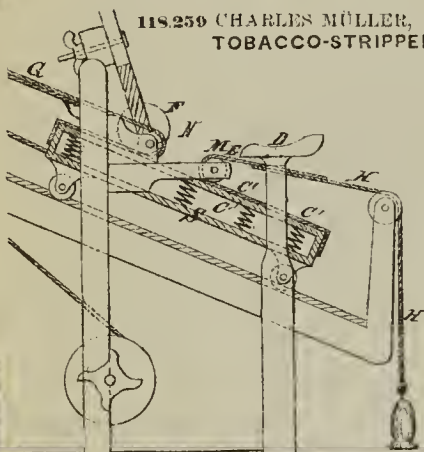
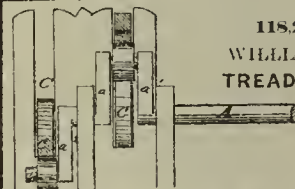
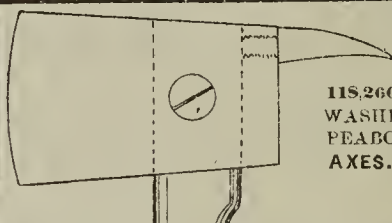
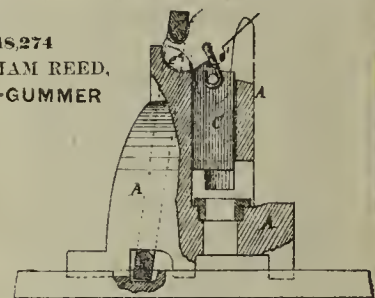
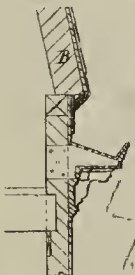
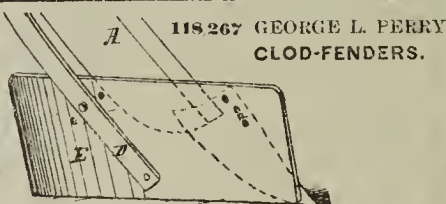
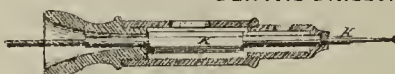
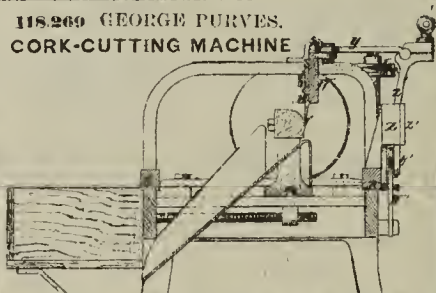
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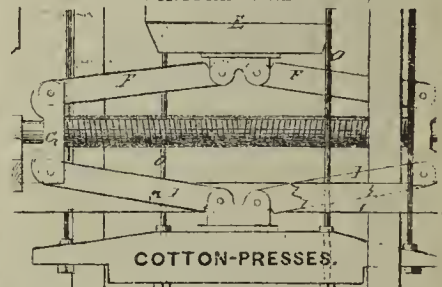
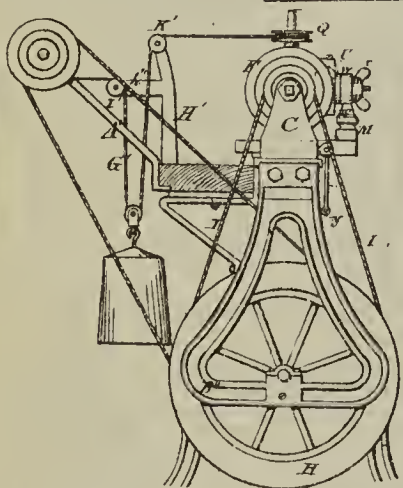
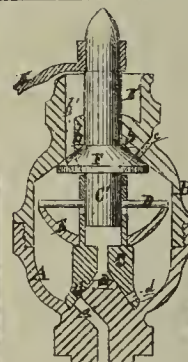
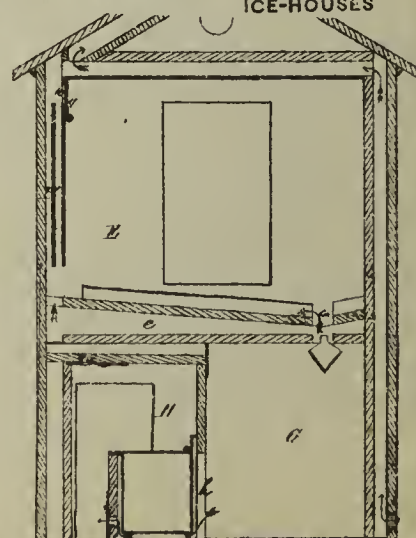
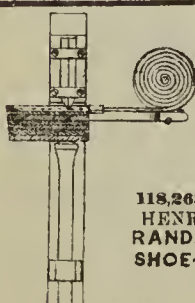
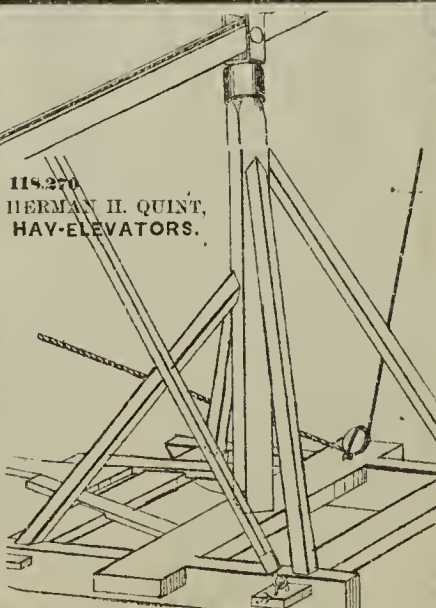
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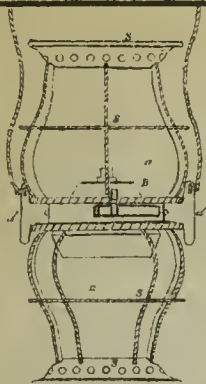
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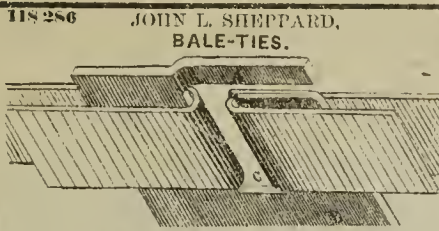
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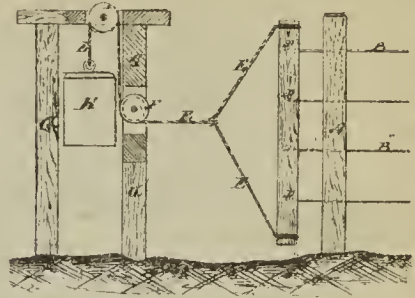


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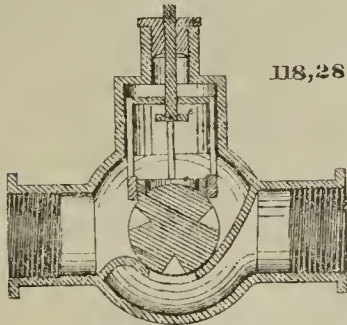


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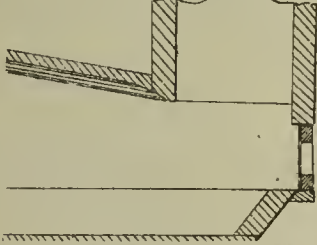


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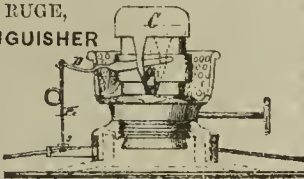
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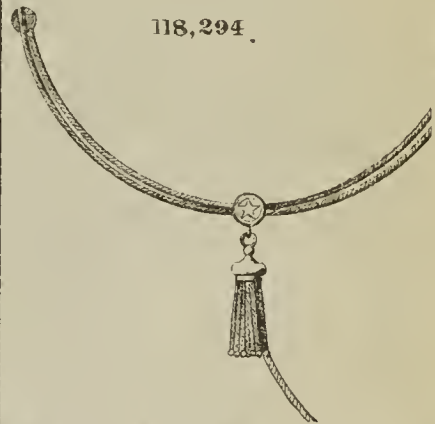


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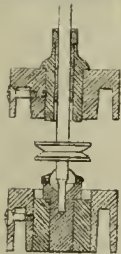


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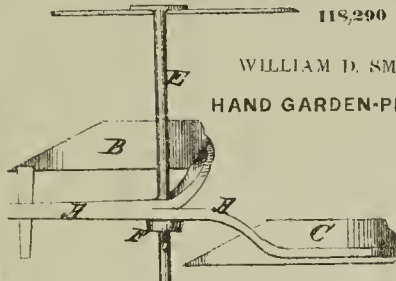


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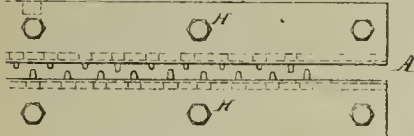


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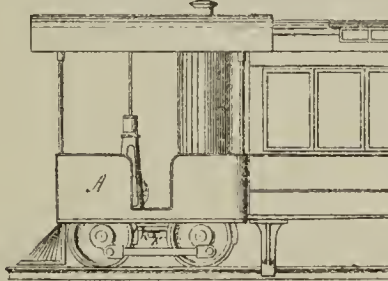
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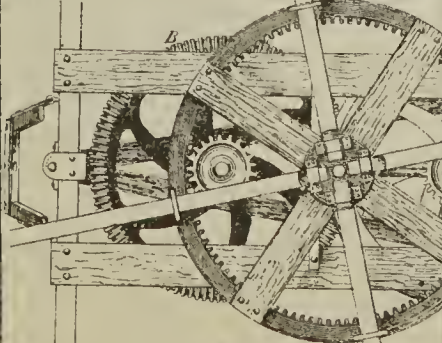
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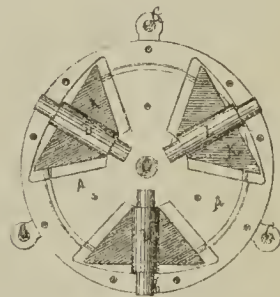
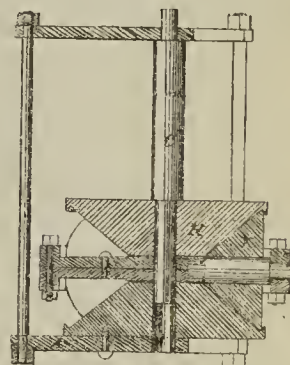
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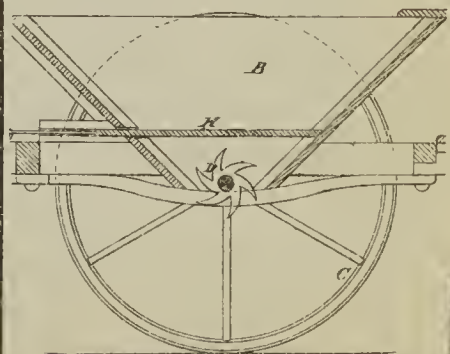
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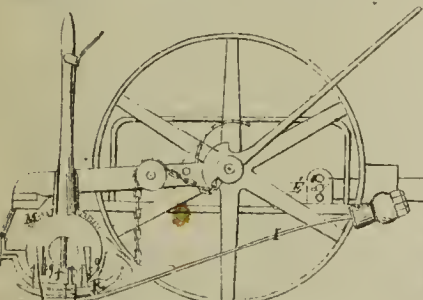
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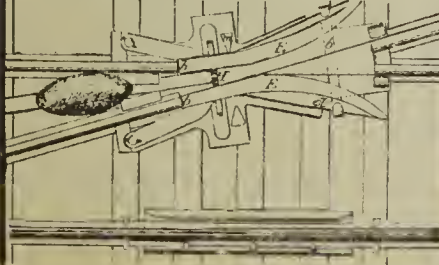
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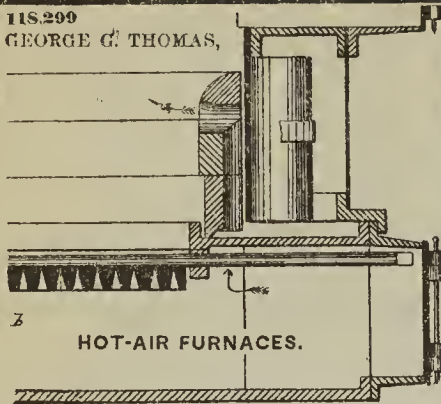


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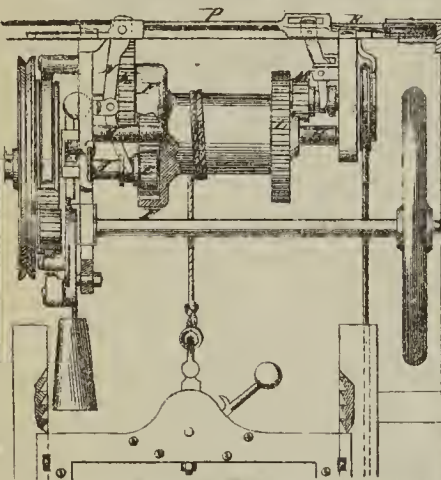


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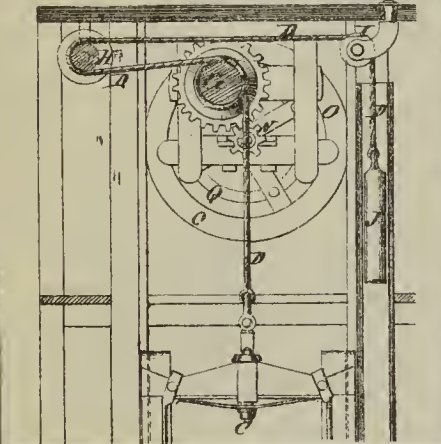
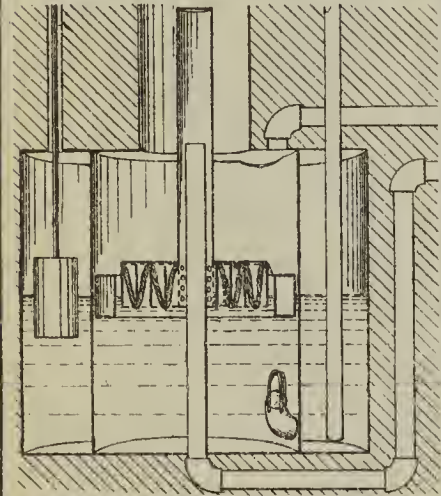


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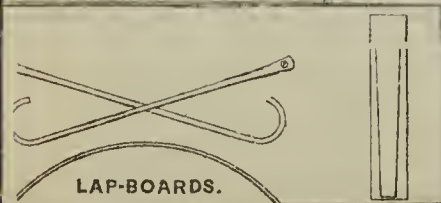
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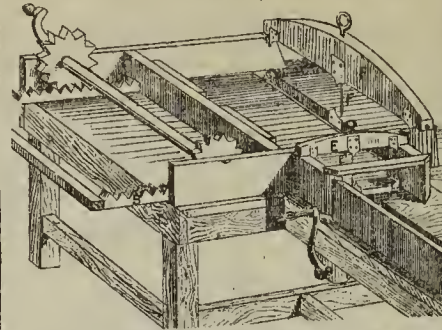
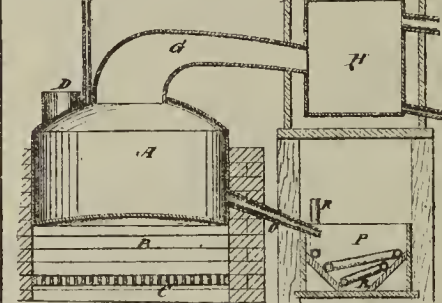
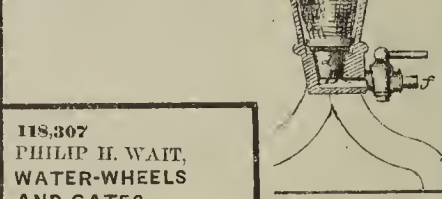
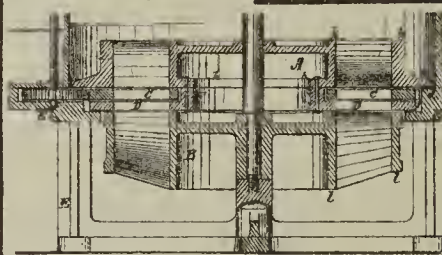
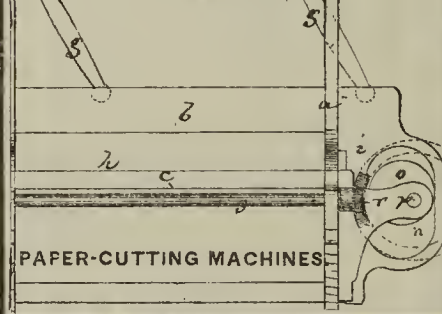
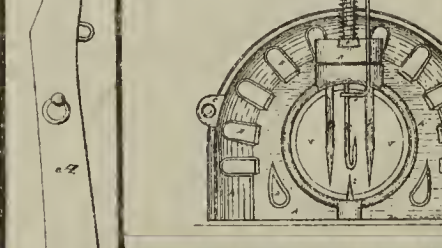
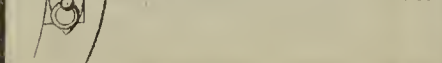
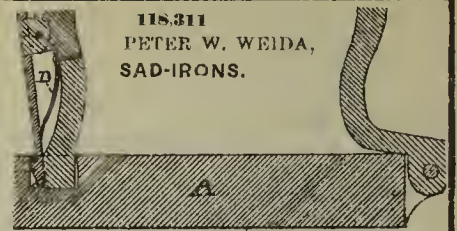
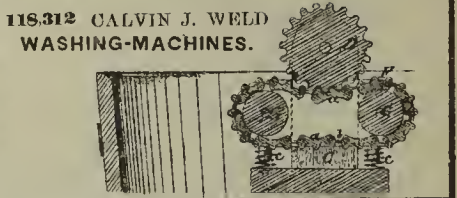
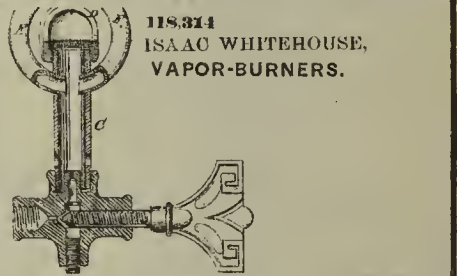
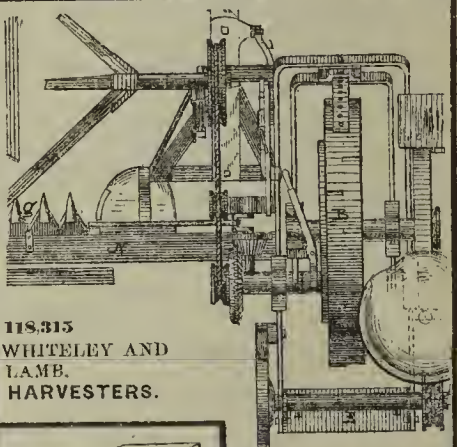
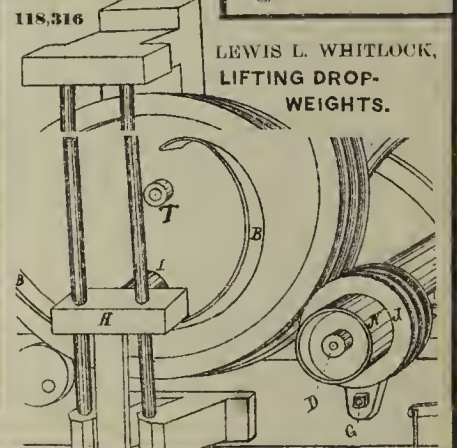
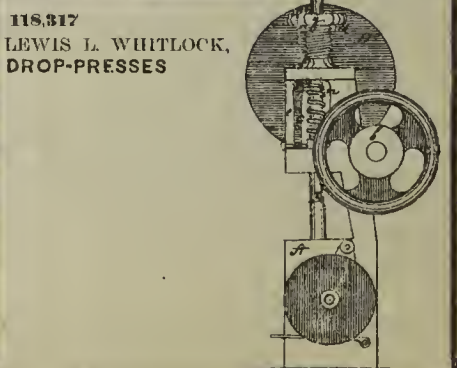
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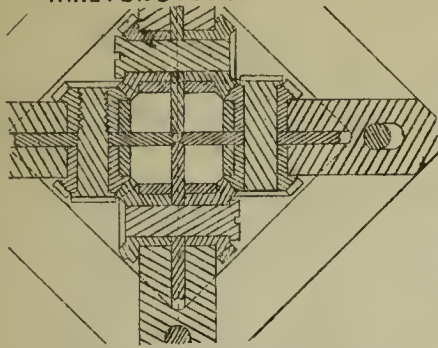
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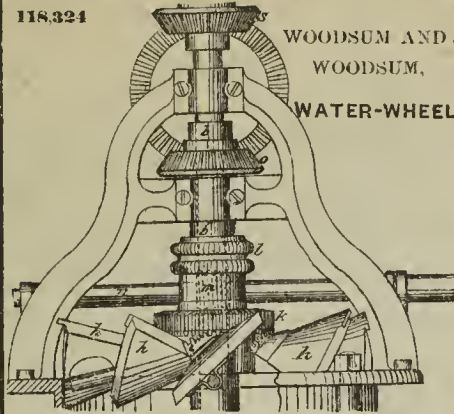
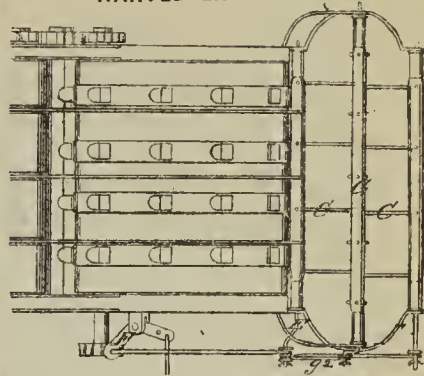


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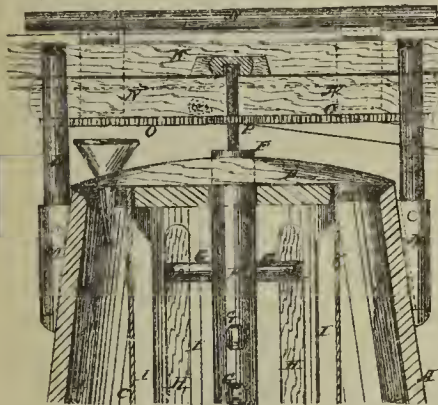
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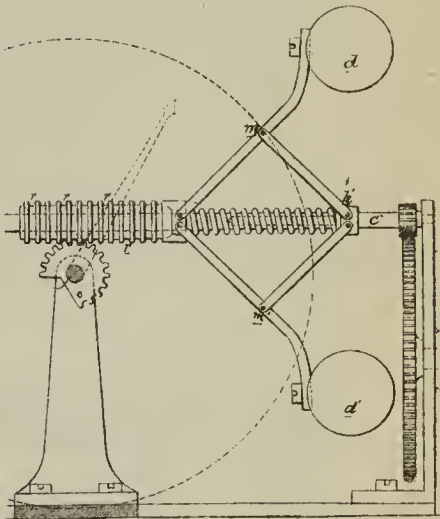
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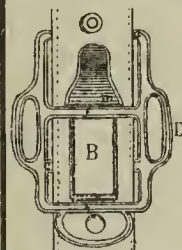
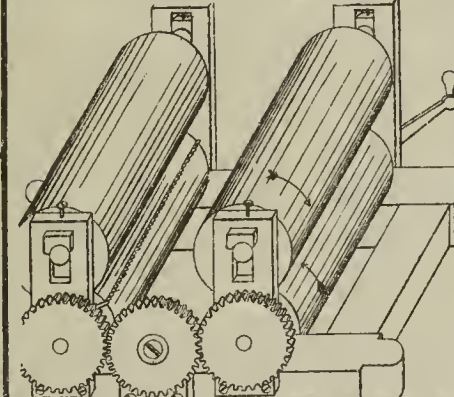
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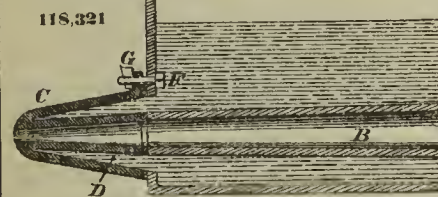
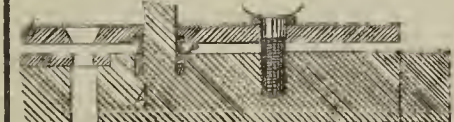
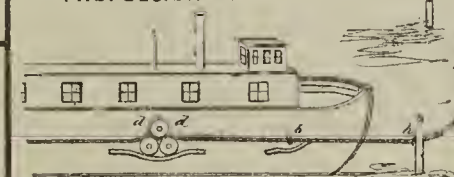
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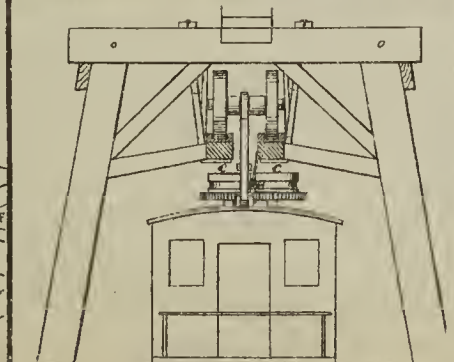
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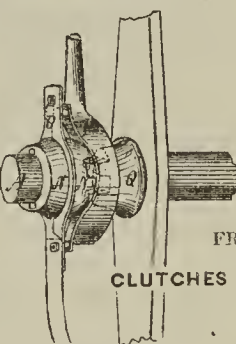
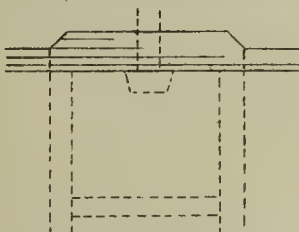
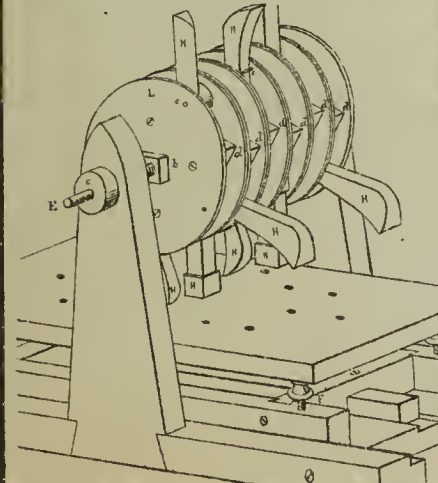
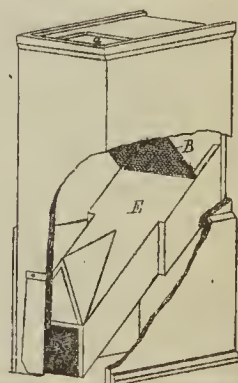
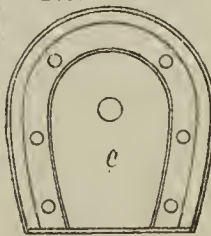
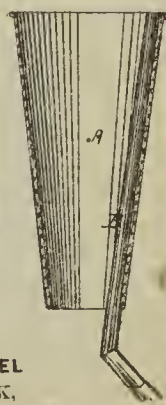
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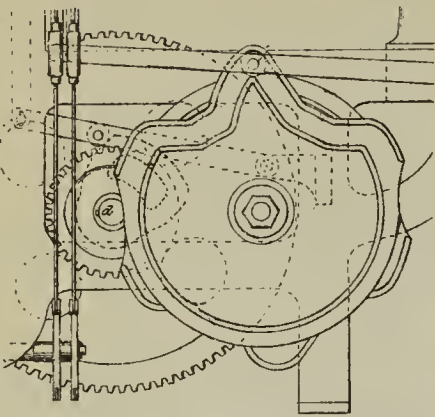
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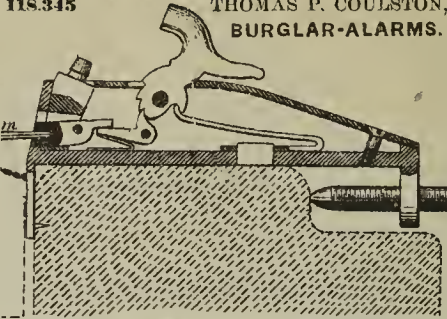
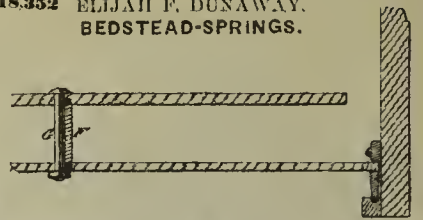
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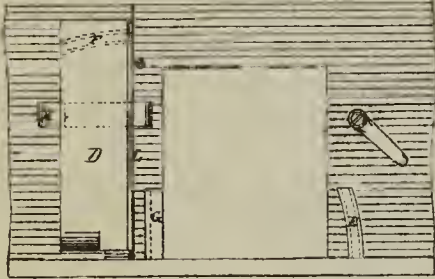
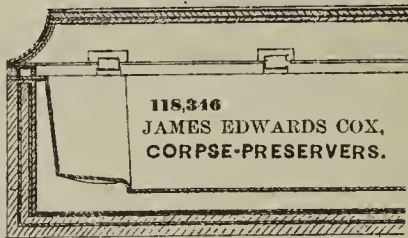
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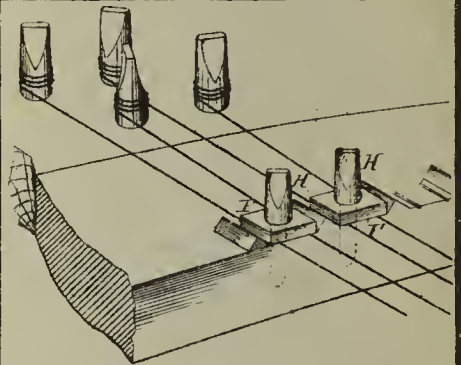
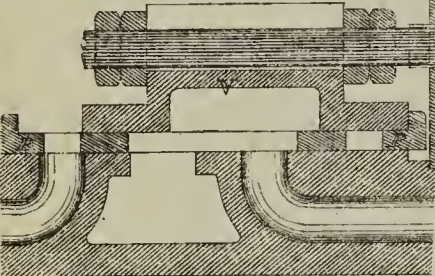
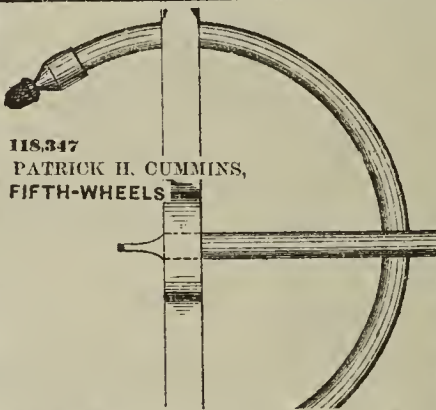
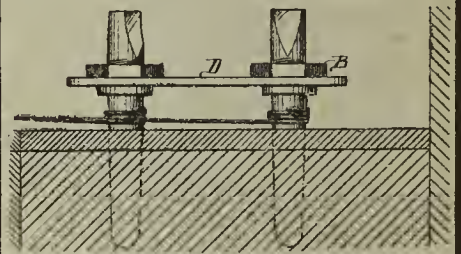
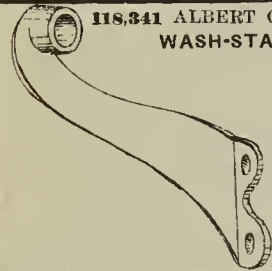
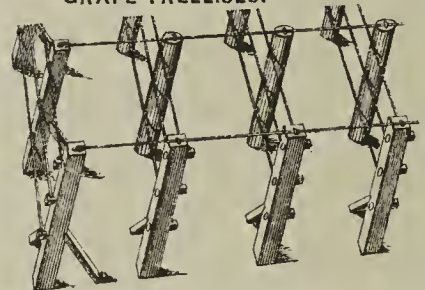
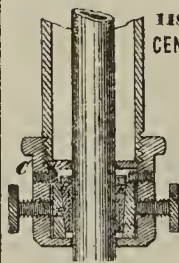
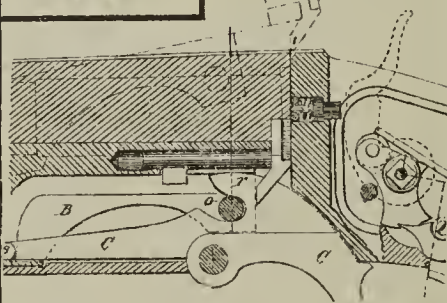
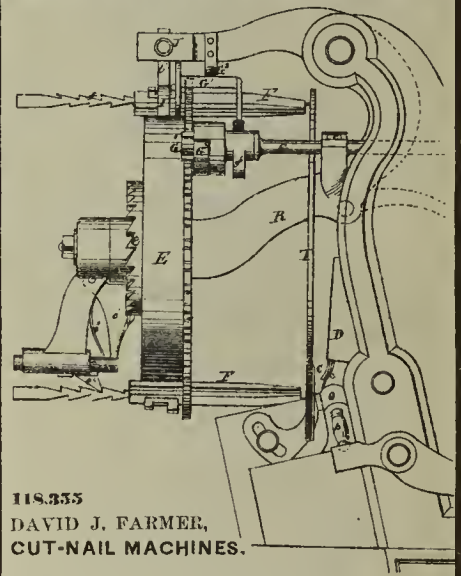
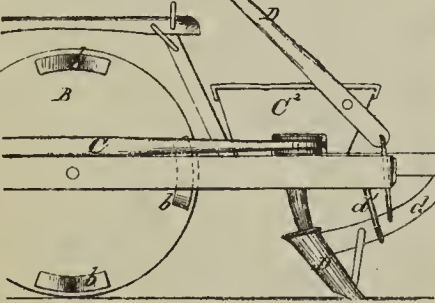
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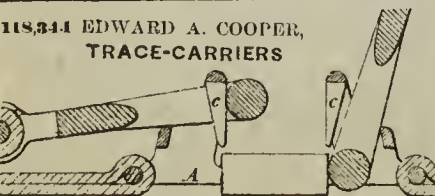
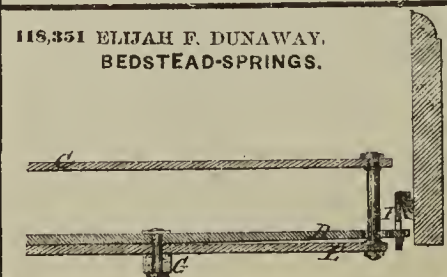
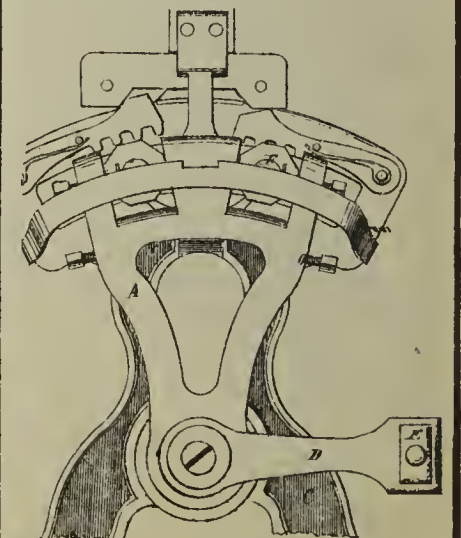
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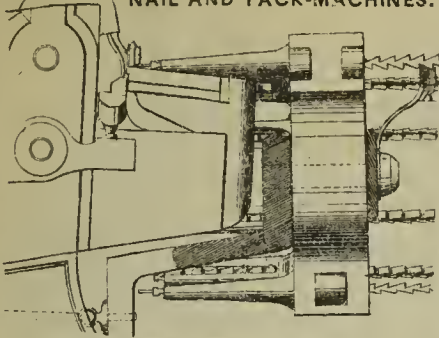
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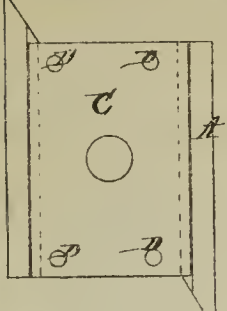
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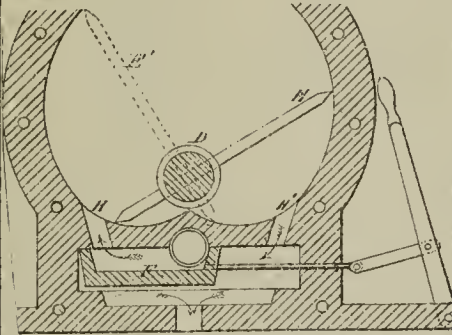
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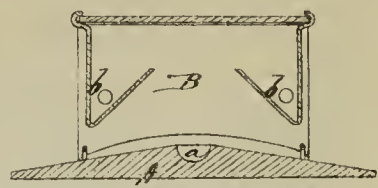
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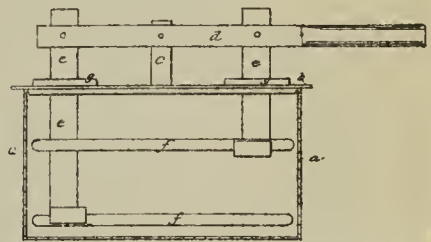
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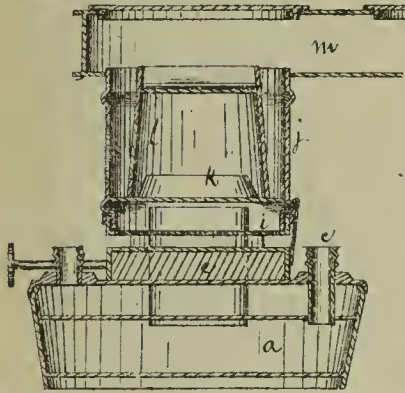
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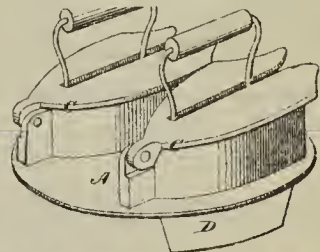
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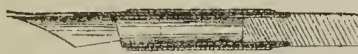
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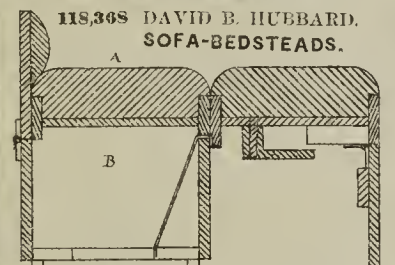
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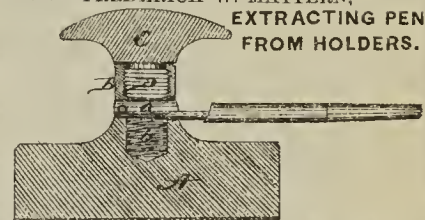
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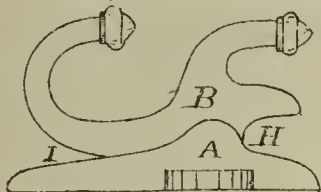
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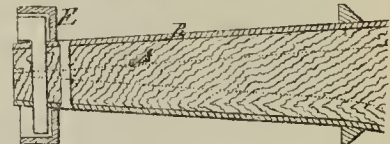
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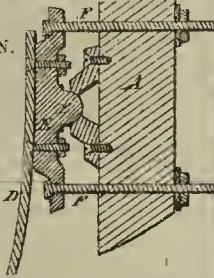
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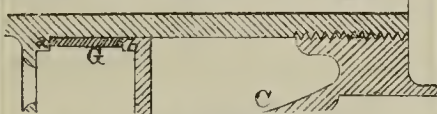
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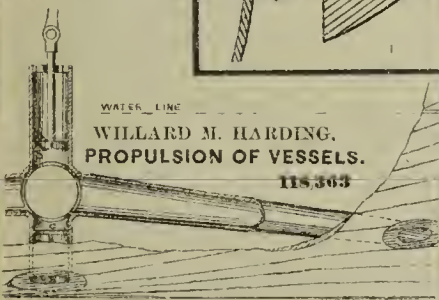


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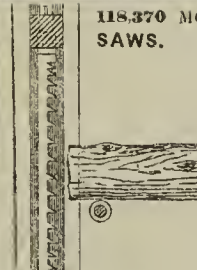


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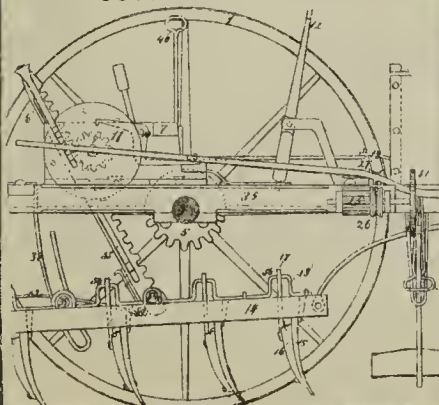
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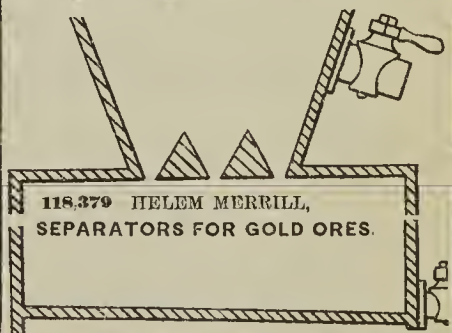
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118,379 HELEM MERRILL,
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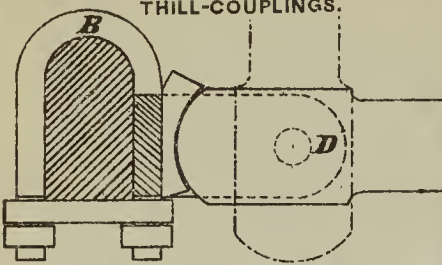


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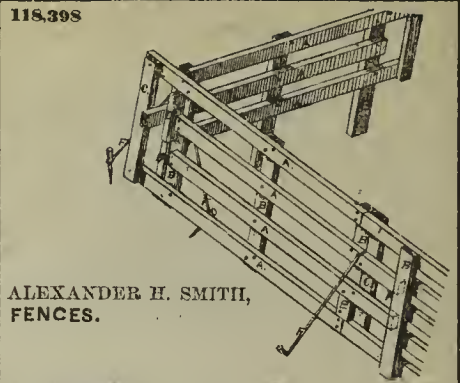
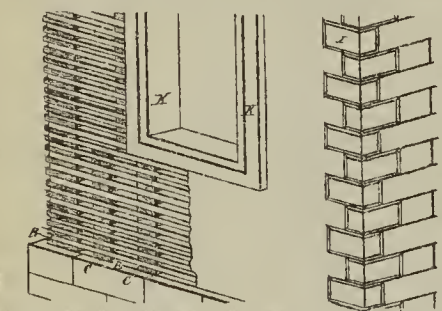
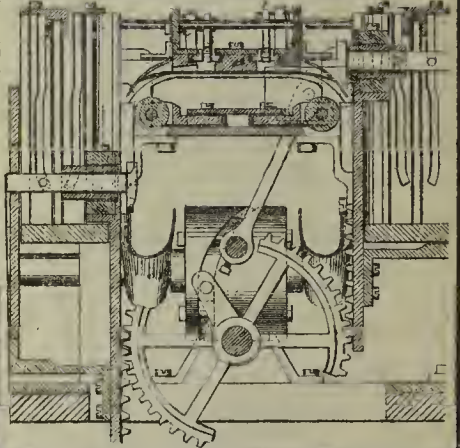
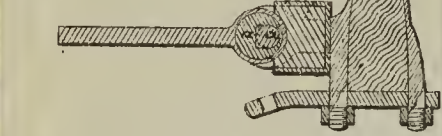
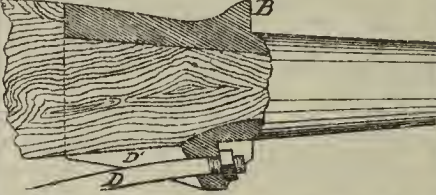
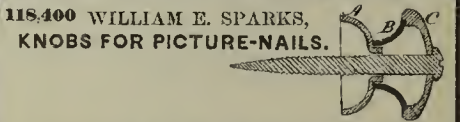
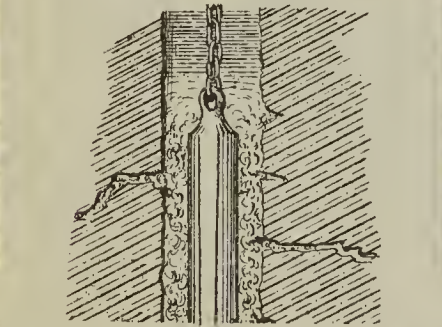
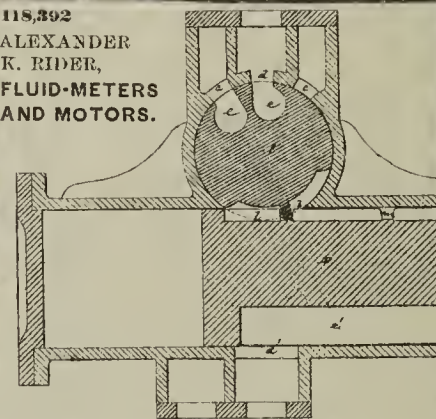


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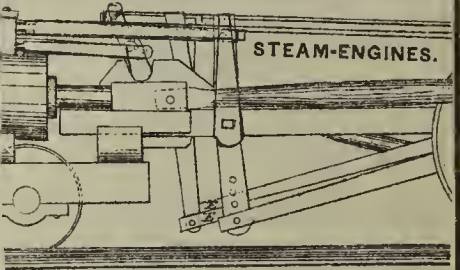
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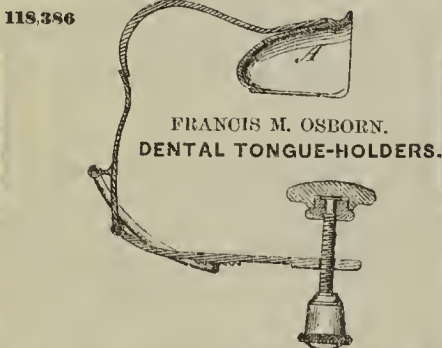
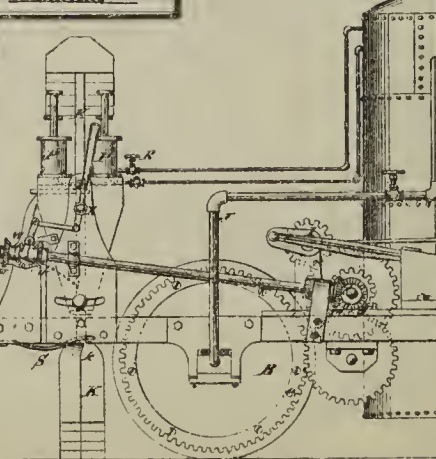
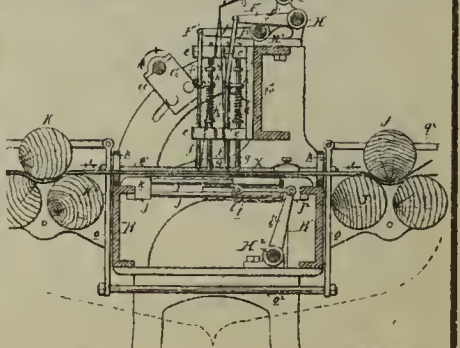
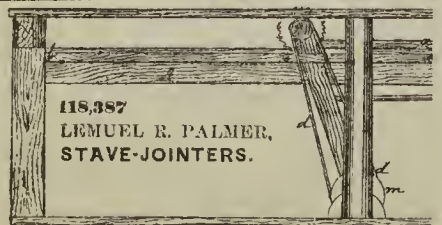
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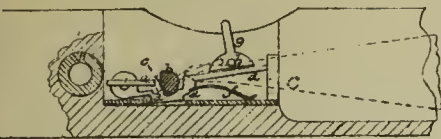
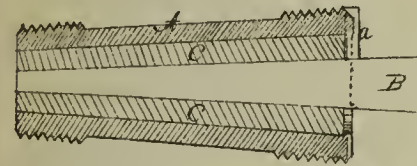
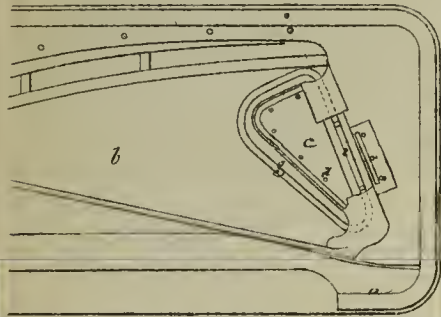
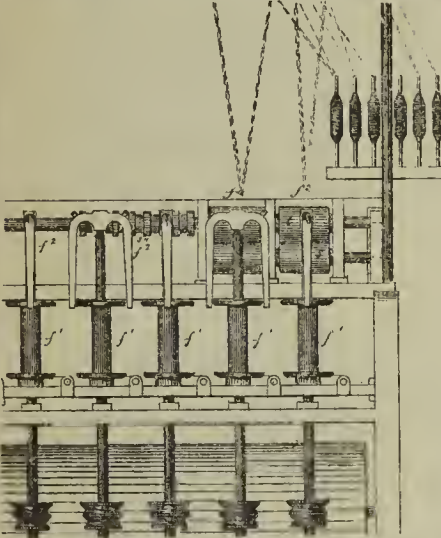
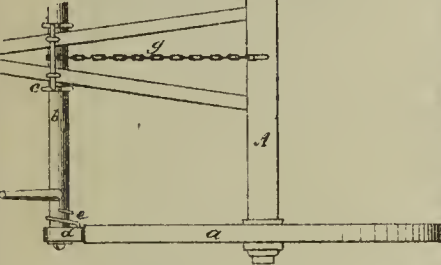
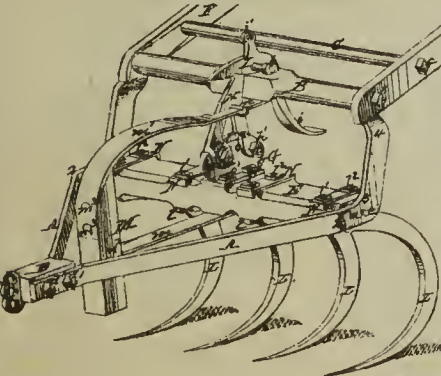
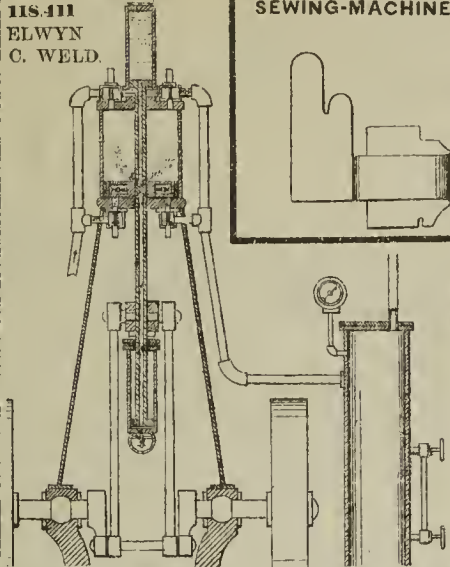
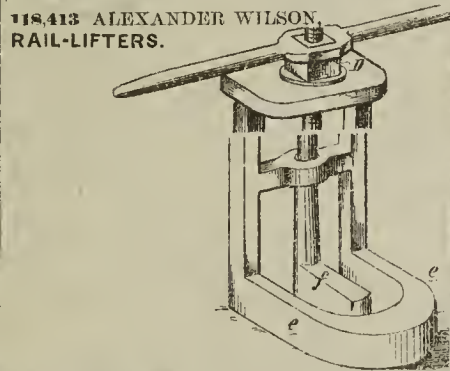
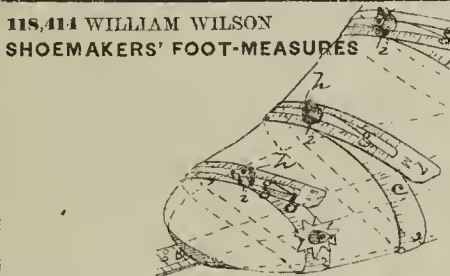
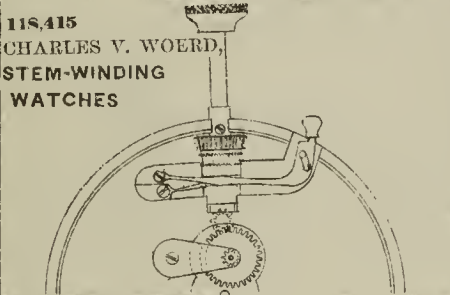
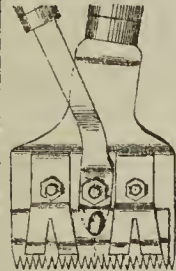
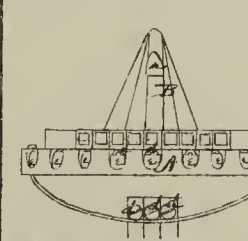
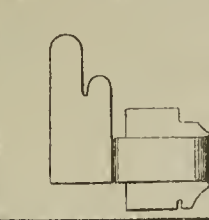
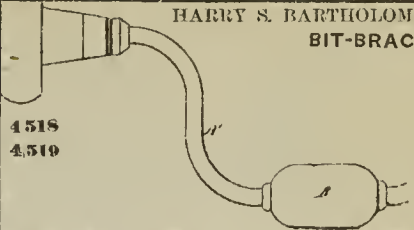
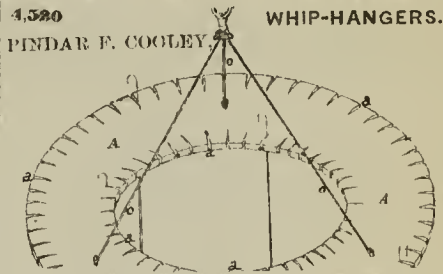
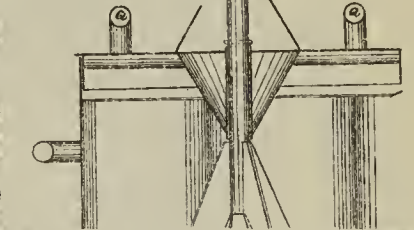


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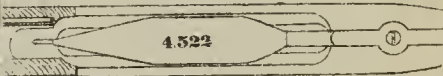
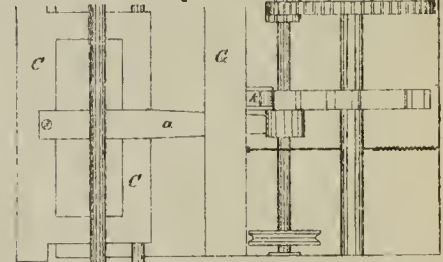
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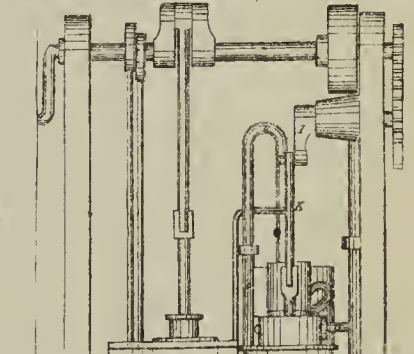
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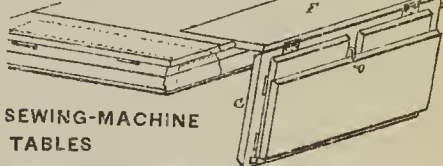
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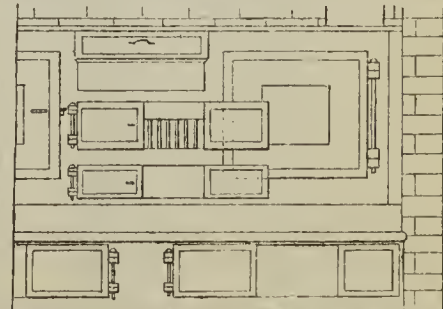
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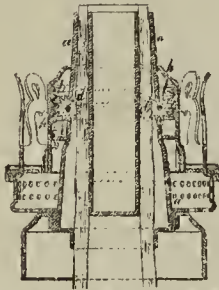
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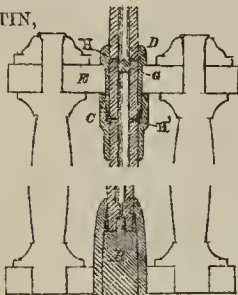
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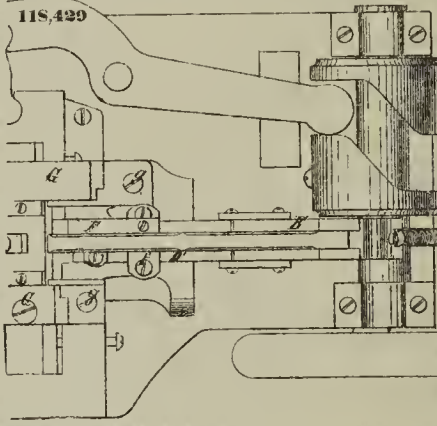
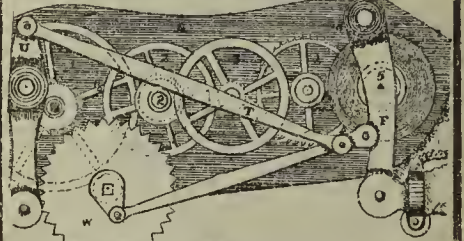
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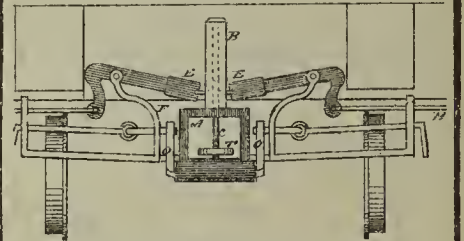


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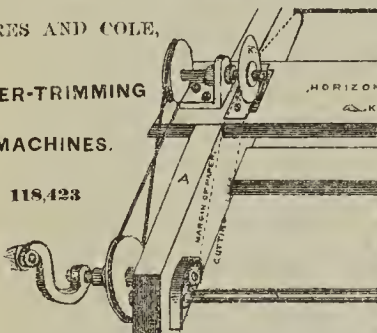
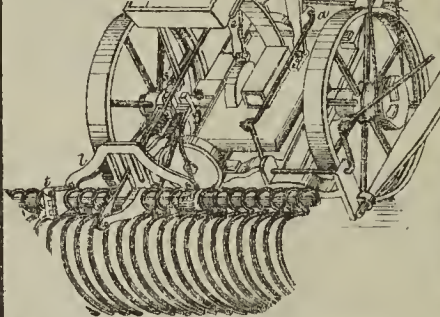
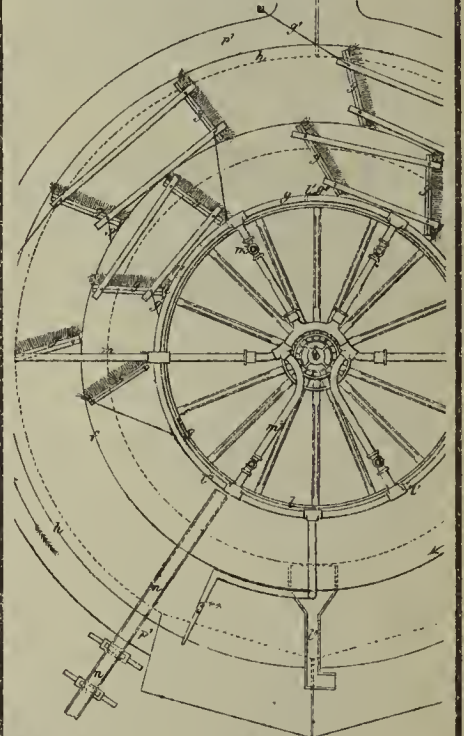
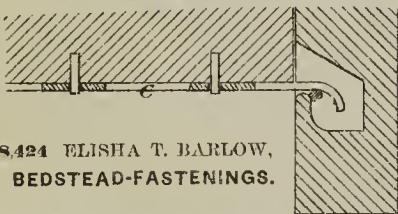
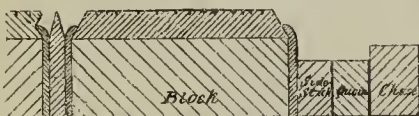
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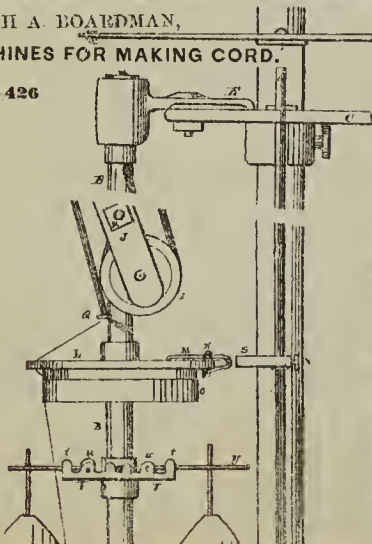
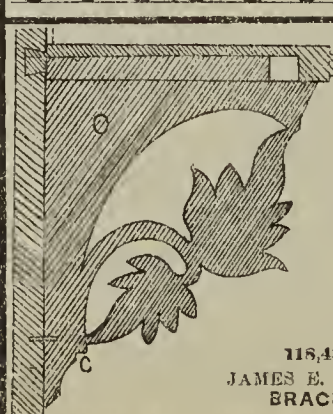
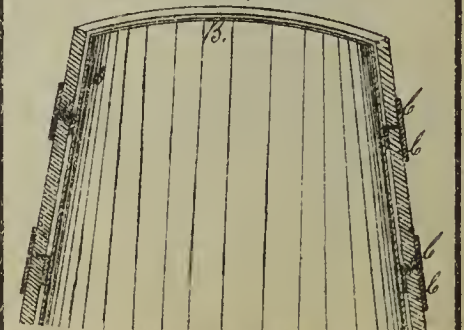
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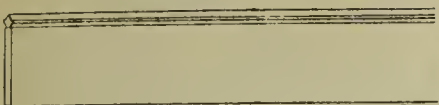
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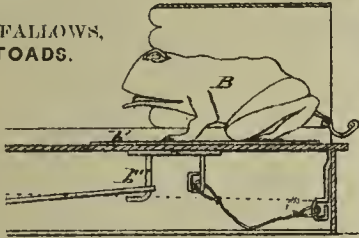
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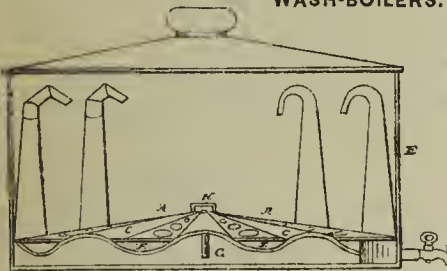
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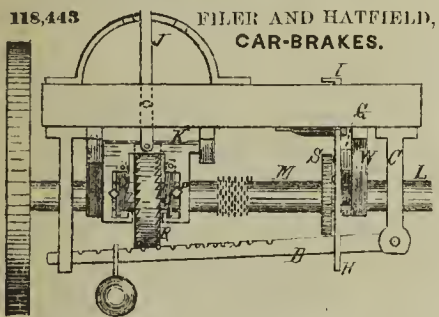
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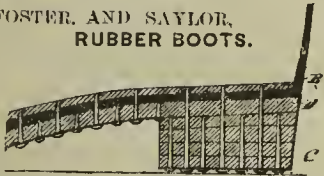
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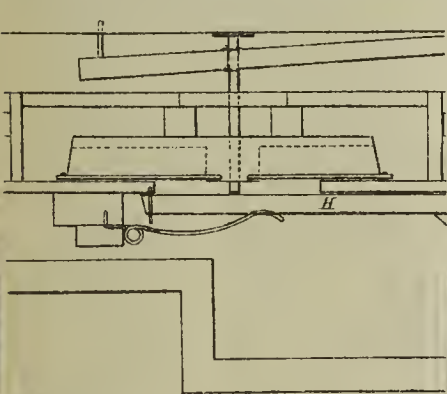
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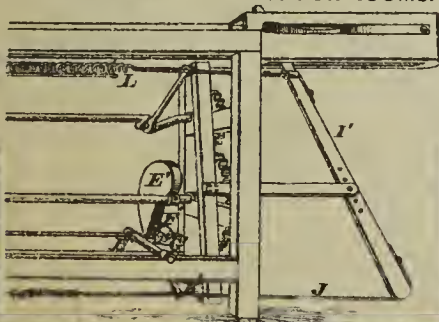
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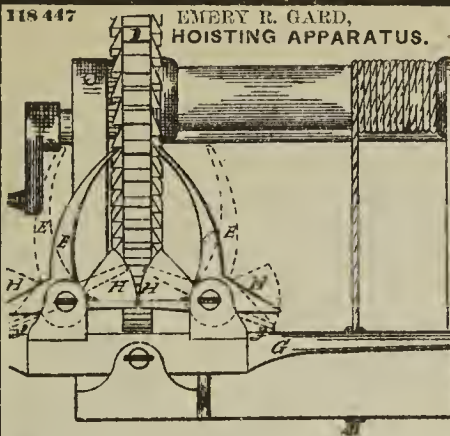
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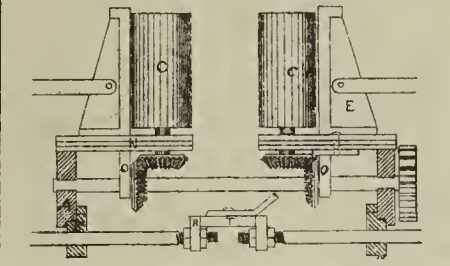
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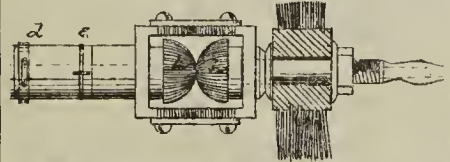
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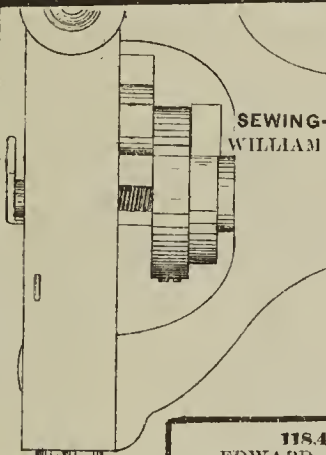
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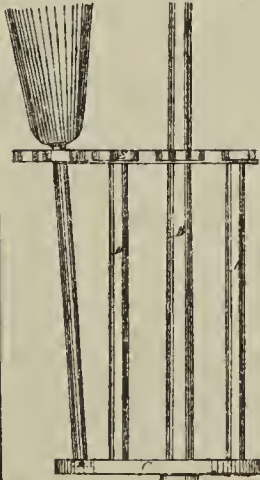
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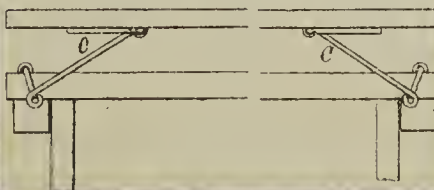
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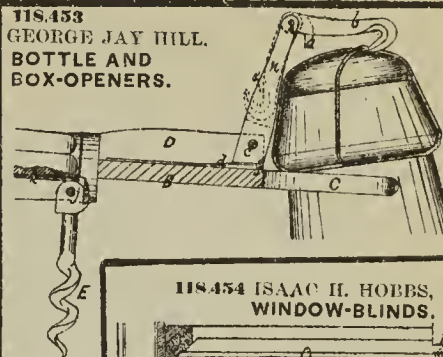
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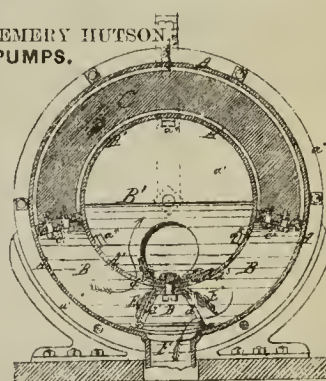
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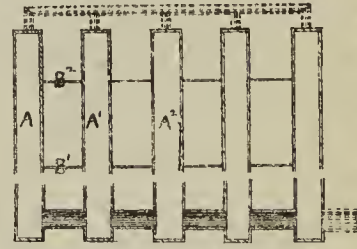
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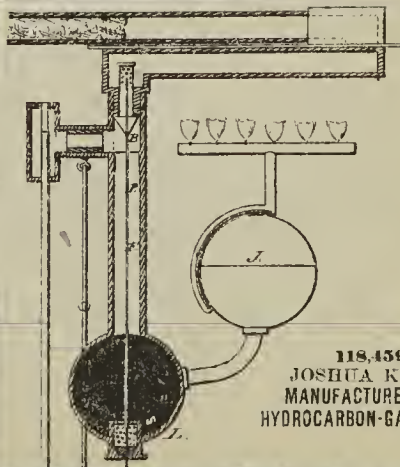
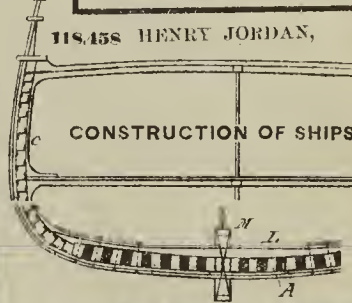


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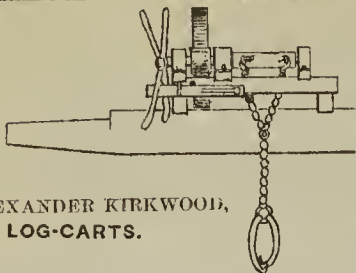
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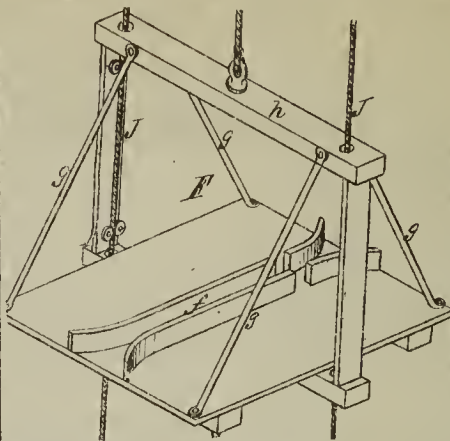
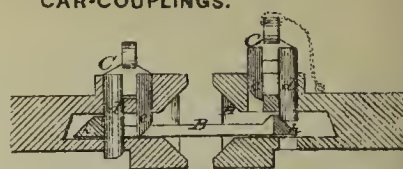
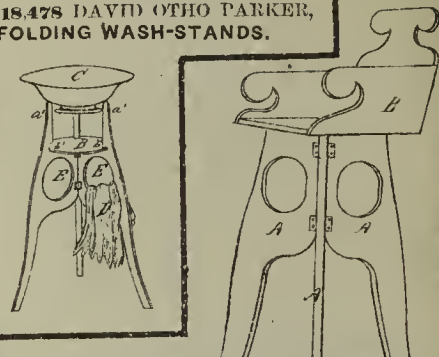
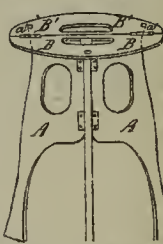
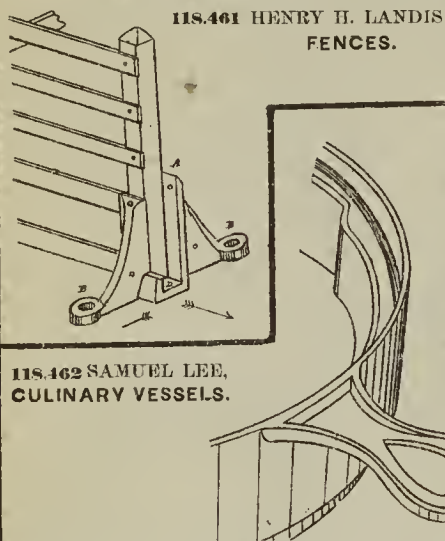
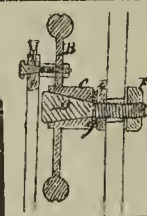
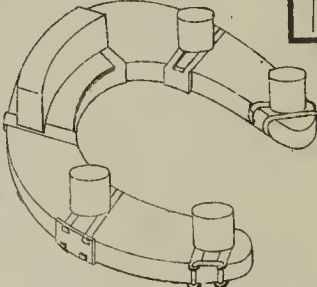
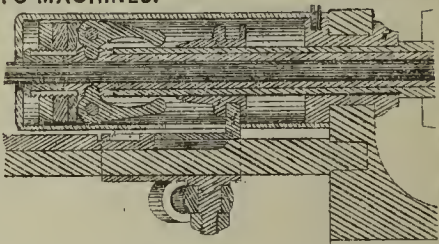


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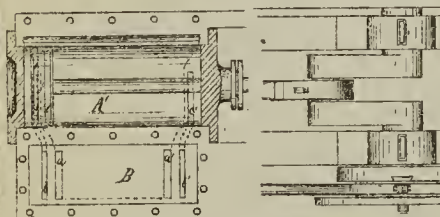
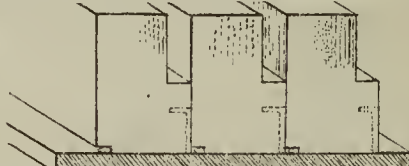
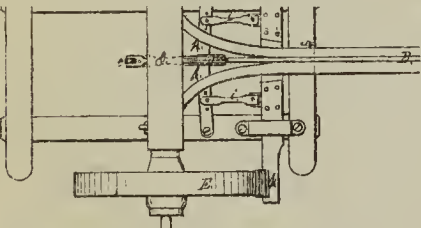
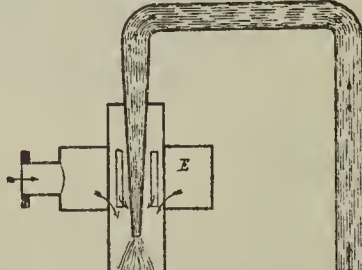
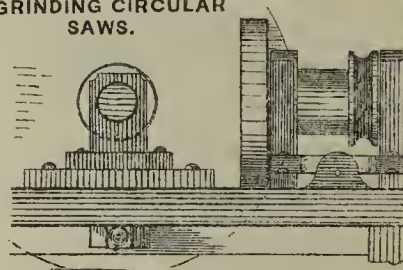
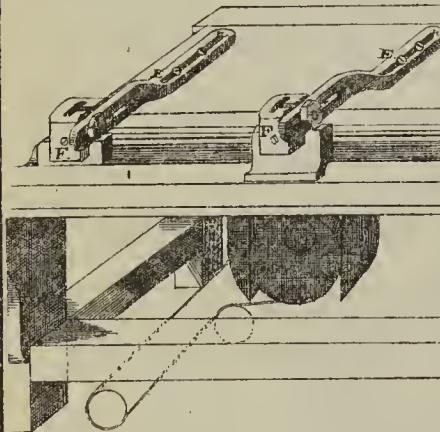
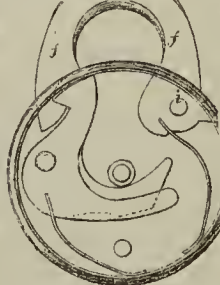
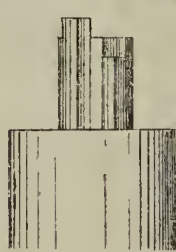
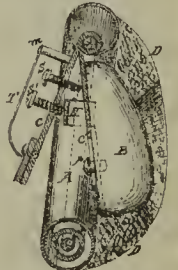
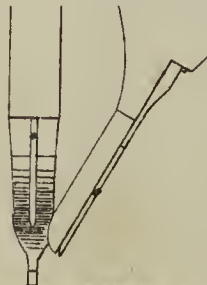
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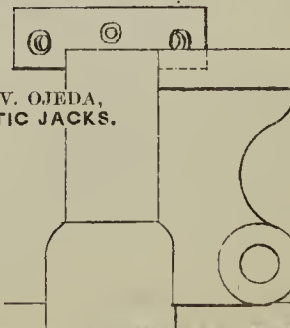
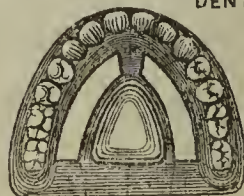
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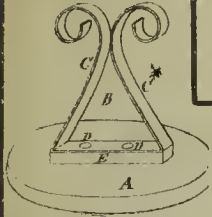
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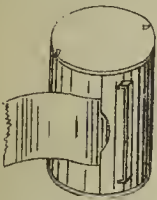
118,485 RAWSON,
OVEDEN, WYLDE,
McCREE, AND HILL.
PURIFYING SEWAGE, &c.



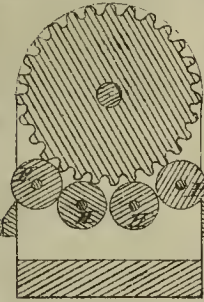
118,486
JAMES C. REED.
BOUQUET-
HOLDERS.



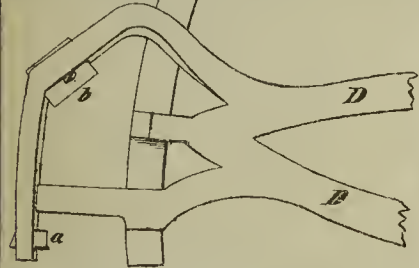
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JOHN G. ROGERS.
STAMP-HOLDERS.



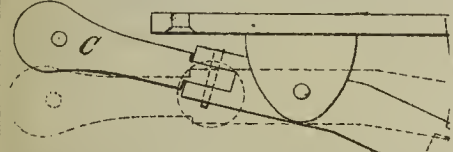
118,487
JOHN W. RUCKER.
WASHING-MACHINE



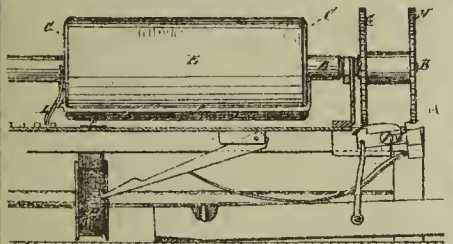
118,489 DEVICES FOR CUTTING CONCAVE
HENRY C. ROSIN,



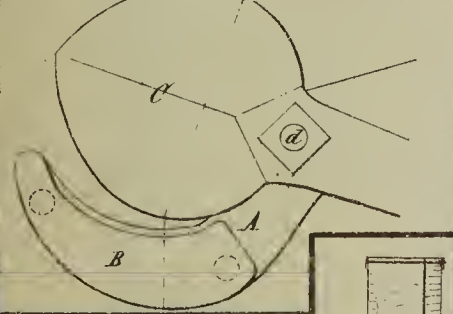
118,490 JAMES BILLINGS SAFFORD,
STOPS FOR SEWING-MACHINES.



118,491 C. LATHAM SHOLES,
MECHANICAL TYPOGRAPHERS.



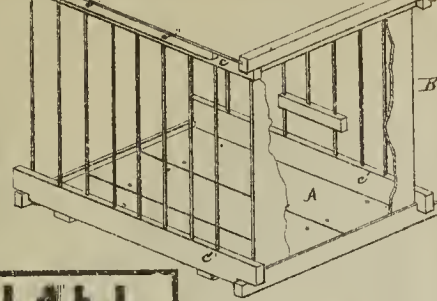
118,492 FRANK SMILEY,
PRUNING-SHEARS.



118,493 GAD SMITH,
BROOM-HEADS.



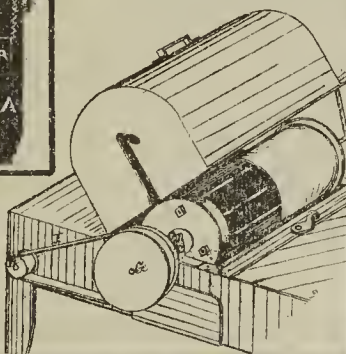
118,494 J. BOARDMAN SMITH,
COOPS FOR FOWLS.



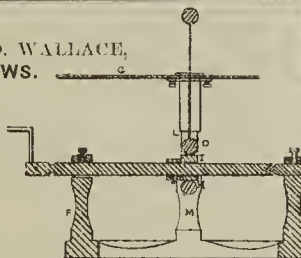
118,496 JOHN SPARKS,
PETROLEUM-PUMPS.



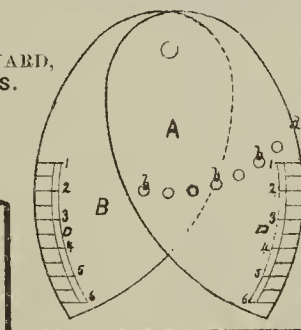
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NELSON S. THOMPSON,
COFFEE-ROASTERS.



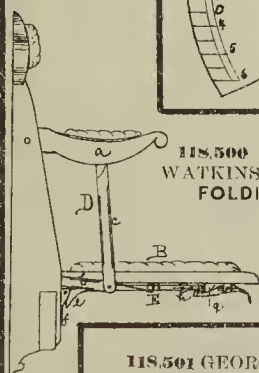
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BENJAMIN D. WALLACE,
SCROLL-SAWS.



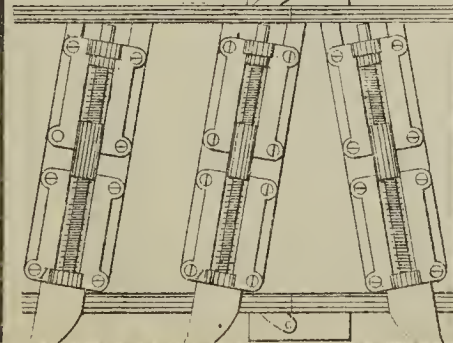
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SYLVANUS WARD,
HEEL GAUGES.



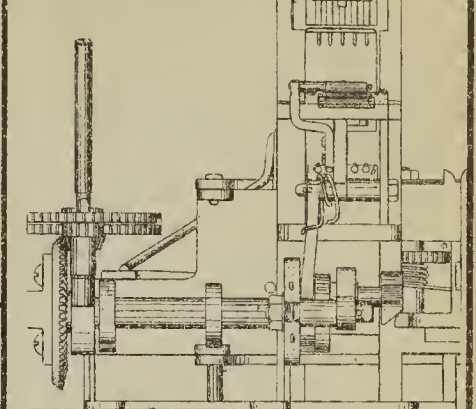
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WATKINS AND McCONNELL,
FOLDING CHAIRS.



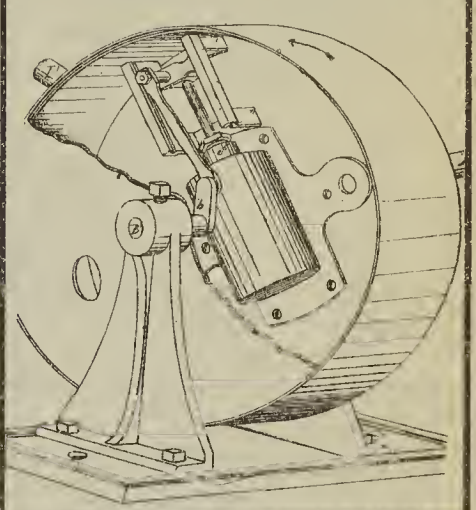
118,501 GEORGE D. WHITCOMB.
MACHINES FOR UNDERMINING
COAL



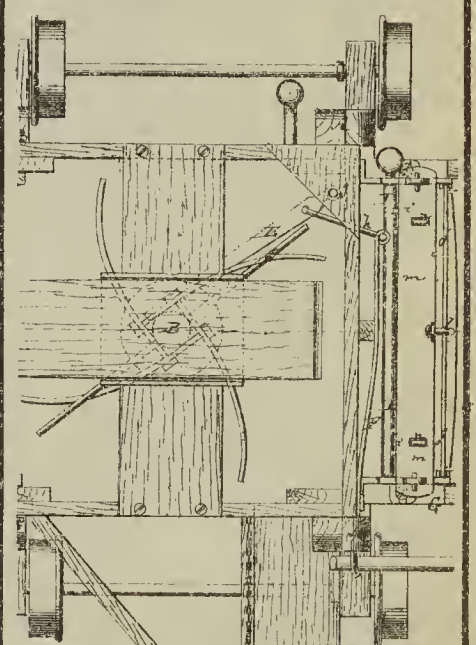
118,502 McCLINTOCK YOUNG,
MACHINES FOR
MAKING MATCHES.



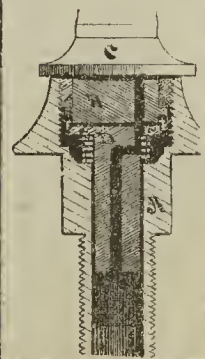
118,503 ALLONAS AND BAUMAN.
REVOLVING-CYLINDER ENGINES.



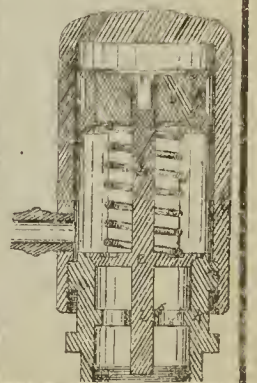
118,504 FRANK ALSIP
BRICK-MACHINES.



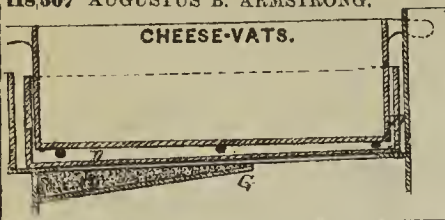
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OAKLEY N. AMES,
COMPRESSION
COCKS.



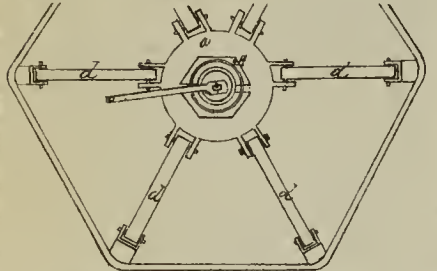
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JAMES ANDERSON,
PRESSURE-GAUGES



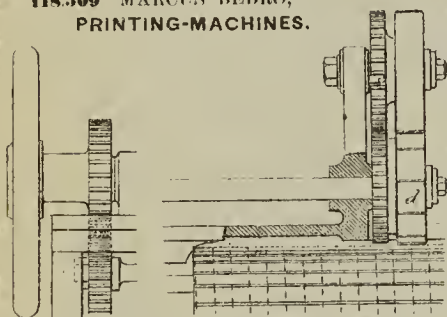
118,507 AUGUSTUS B. ARMSTRONG,
CHEESE-VATS.



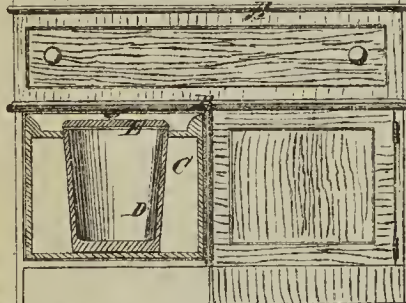
118,508 WILLIAM BASHOR, FLOUR-BOLT



118,509 MARCUS BEBRO,
PRINTING-MACHINES.



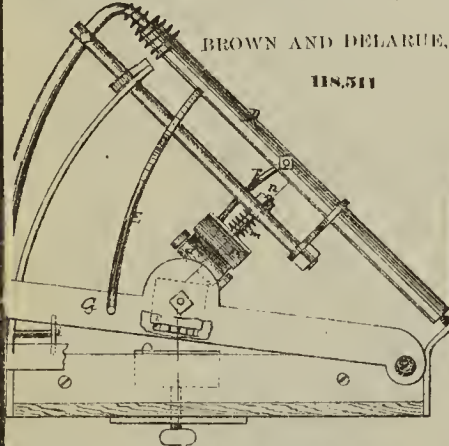
118,510 SAMPSON P. BOONE,
COMMODOES AND WASH-STANDS



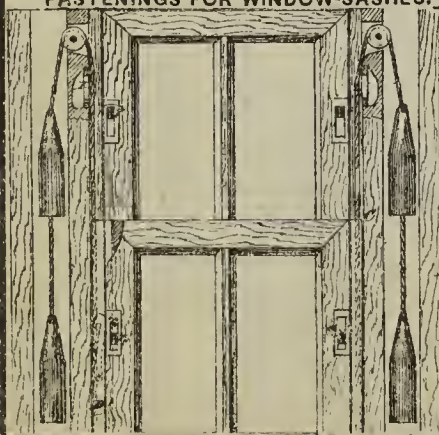
CANCELING AND SEVERING REVENUE-STAMPS, &c.

BROWN AND DELARUE,

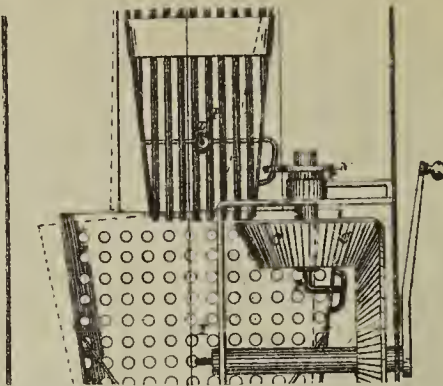
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118,512 JACOB K. BUTLER,
FASTENINGS FOR WINDOW-SASHES.



118,513 EDMUND G. CADY,
COAL AND ASH-SIFTERS.

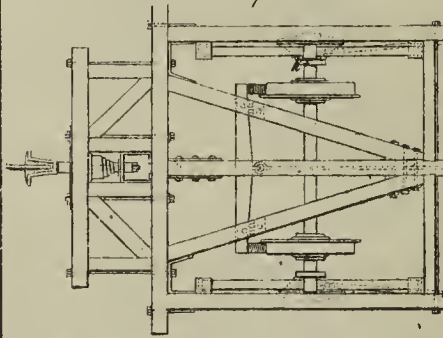


HORACE L. CLARK,
DOORS FOR RAILWAY FREIGHT-CARS.

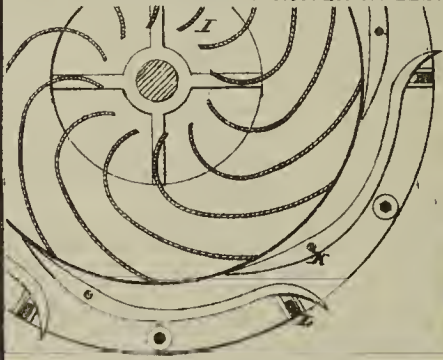
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118,515 JOHN CLARK,
RAILWAY-CAR TRUCKS.



118,516 DAVID CRAIK, WATER-WHEELS.

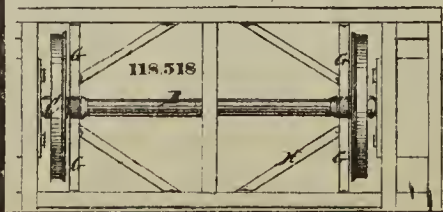


118,517 SAMUEL OREIGHTON,
INSECT-DESTROYERS.

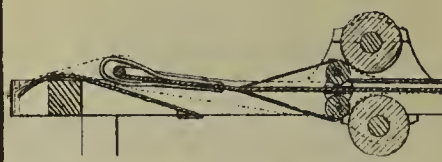


DELLINGER AND HUNT, CAR-TRUCKS.

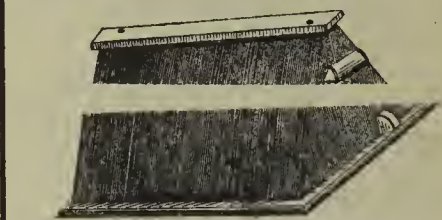
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118,519 WHITLEY DENTON,
WRINGING-MACHINES.

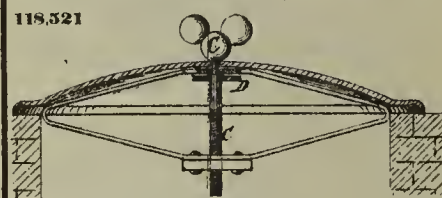


118,520 EUGENE W. DEFENDORT, BEE-HIVE

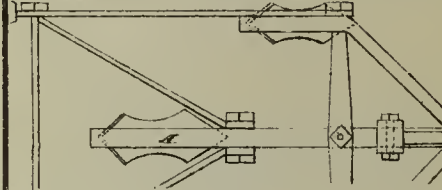


CHARLES H. EARLE, CHIMNEY-STOP

118,521

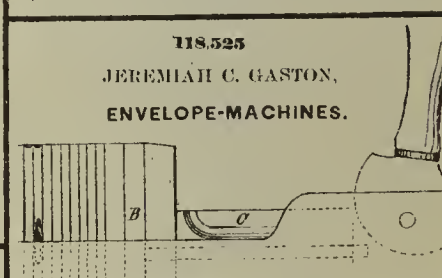


118,522 JACOB S. FLEMING, CULTIVATOR

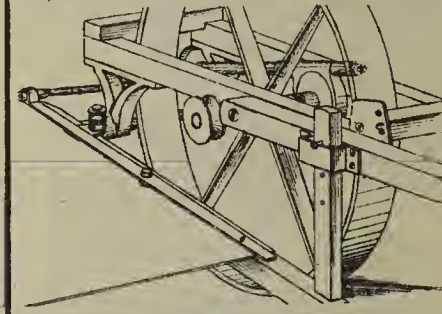


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JEREMIAH C. GASTON,
ENVELOPE-MACHINES.

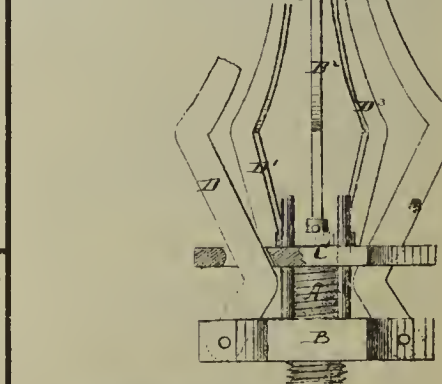


118,526 WILLIAM F. GOODWIN HARVESTER



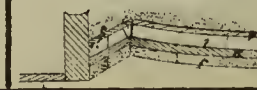
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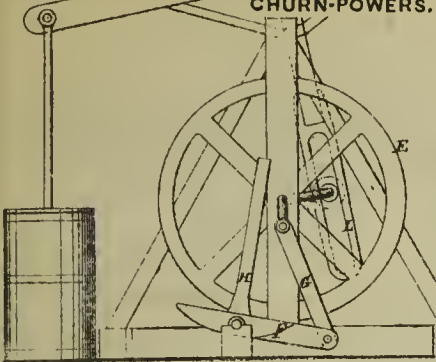
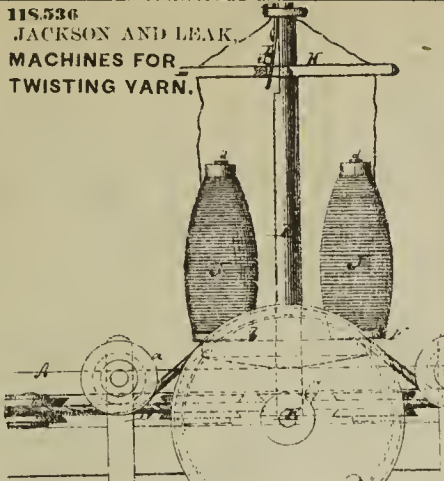
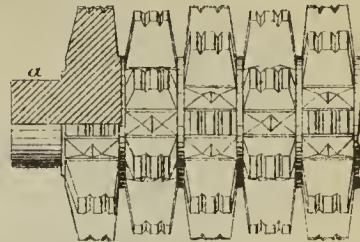
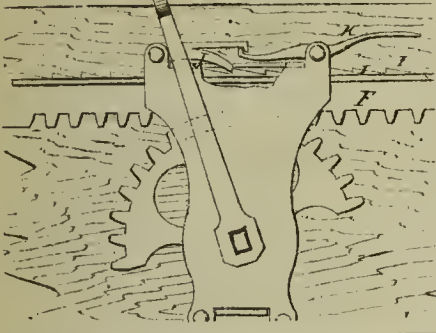
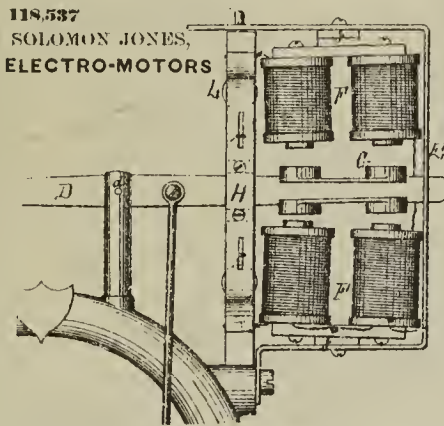
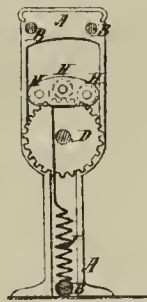
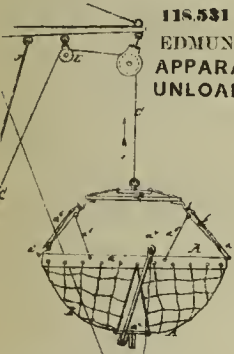
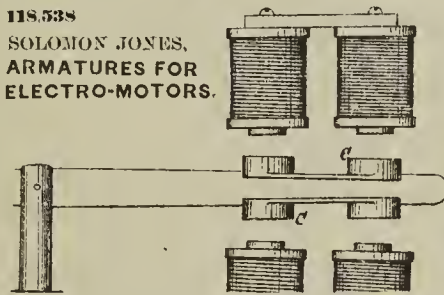
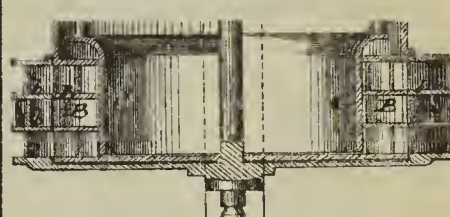
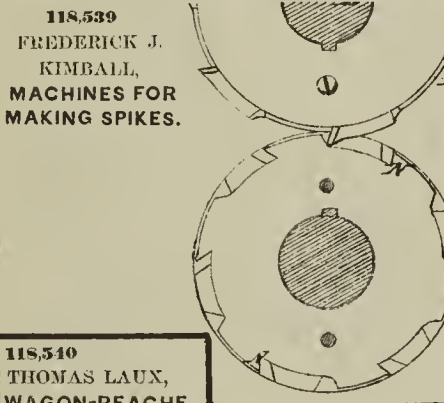
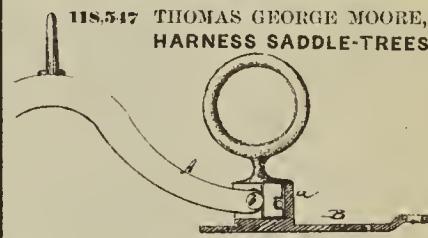
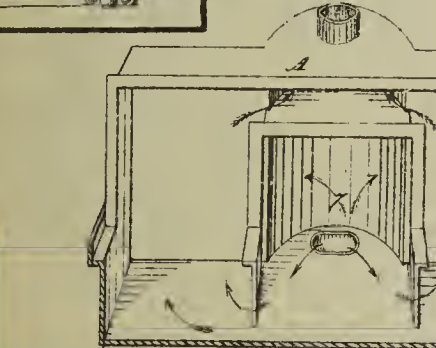
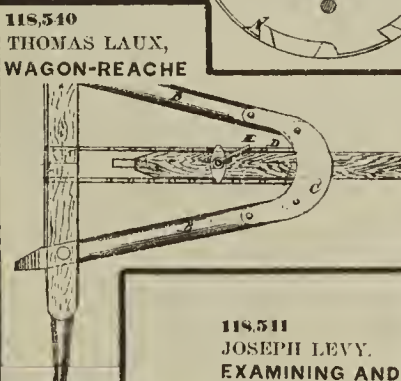
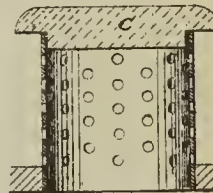
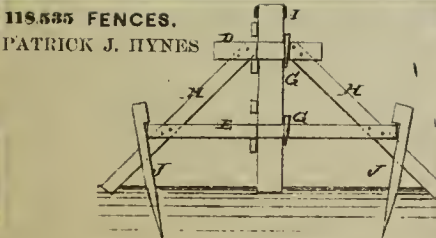
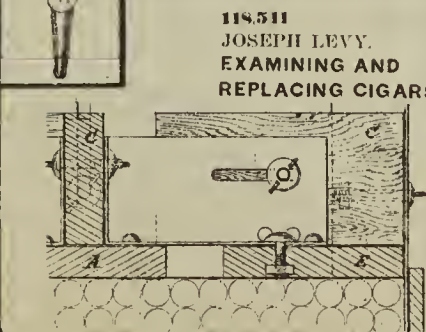
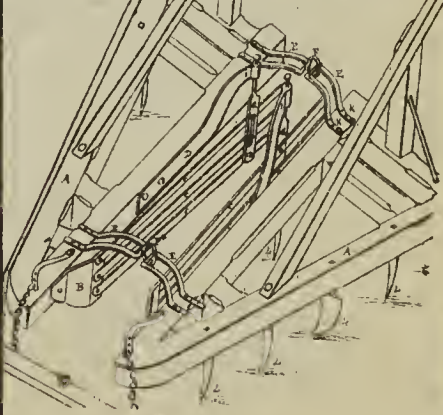
CHARLES LEONARD GRAVES,
SHANK AND TOE-LASTERS



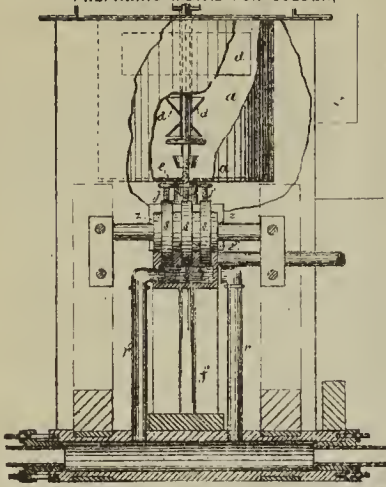
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JAMES F. GYLES,
WOOD PAVEMENT

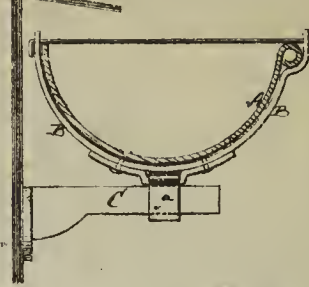


118,529 LEVI A. HAIGHT,
CHURN-POWERS.118,530 JACKSON AND LEAK,
MACHINES FOR
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BEEFSTEAK-MANGLES.118,530 WILLIAM T. HAMILTON,
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HARNESS SADDLE-TREES.118,534 GEORGE E. HOPKIN
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PATRICK J. HYNES118,511 JOSEPH LEVY,
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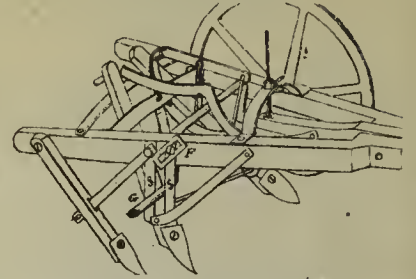
118,550 REUBEN PAINTER,
PREPARING METAL FOR SOLDER.



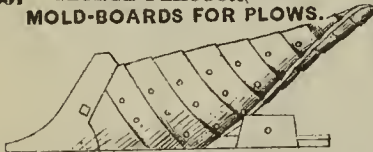
118,556 WILLIAM L. ROGERS,
GUTTER-FASTENINGS.



118,562 ARNOLD TOMPKINS,
CULTIVATORS.

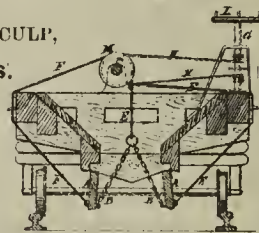


118,551 GEORGE PEACOCK,
MOLD-BOARDS FOR PLOWS.

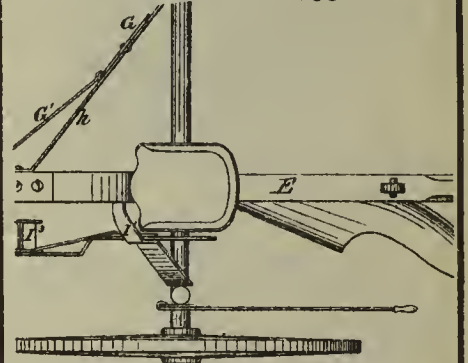


SOLOMON ROUSCULP,
DUMPING-CARS.

118,557

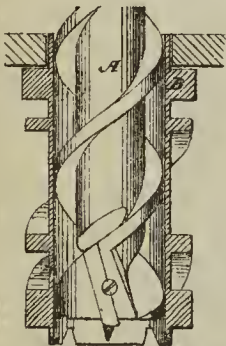


118,563 JAMES L. VAN GORDER SULKY-PLOW

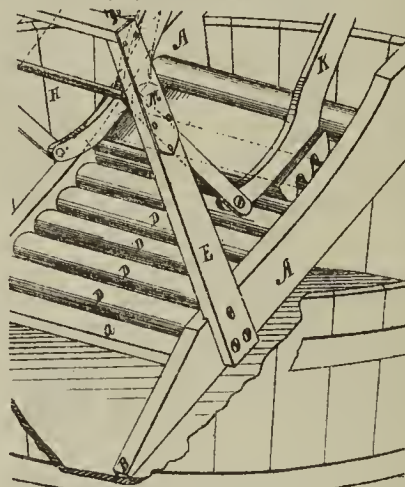


118,552

HIRAM PITCHER,
AUGERS.

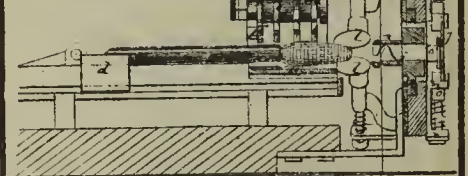


118,558 JOHN SCHERMERHORN,
WASHING-MACHINES.



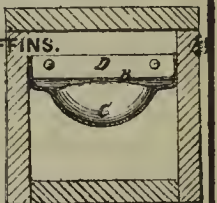
118,564 CORN-SHAVING MACHINE

ELIAS WATTS,



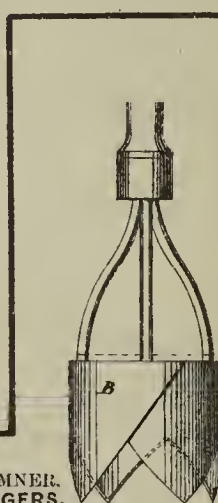
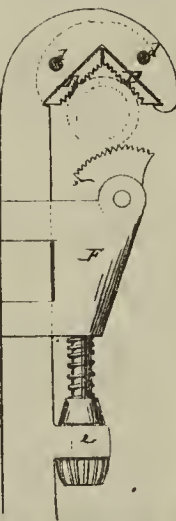
JOHN P. WAUGH,
HEAD-RESTS FOR COFFINS.

118,565

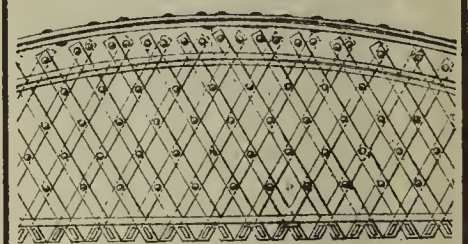


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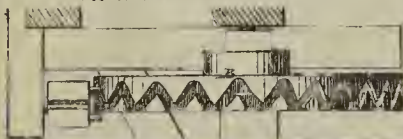
HIRAN N. SNADE,
WRENCHES.



118,566 PETER L. WEIMER,
ARCHED TRUSSES FOR BRIDGES.

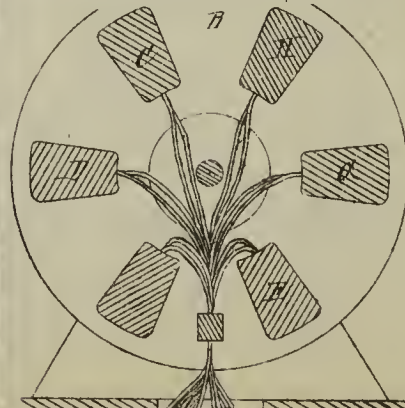


118,554 SAMUEL S. REMBERT,
TRANSMITTING MOTION.

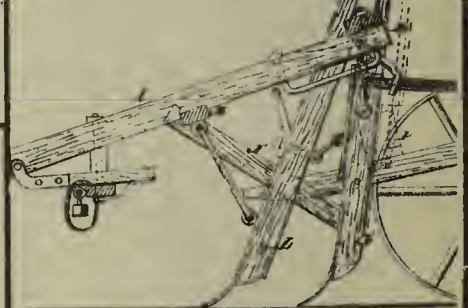


118,560 EDWARD R. SUMNER,
POST-HOLE DIGGERS,

118,561 JACOB P. TIRREL,
ELECTRO-MAGNETIC ENGINE



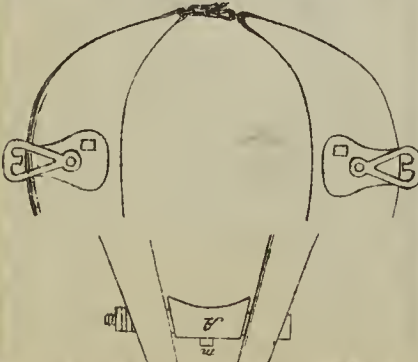
118,567 NICHOLAS WHITEHALL,
SULKY-CULTIVATOR



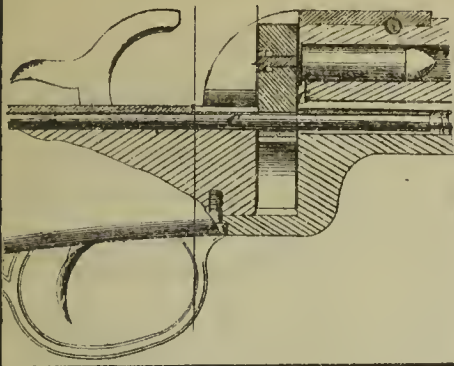
118,568 PETER S. WHITMAN,
OVERSHOES.



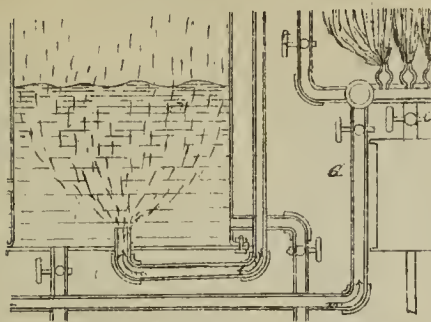
118,555 ZENAS C. ROBBINS,
WOODEN HORSE-COLLARS.



118,569 JOHN D. WILKINSON.
BREECH-LOADING FIRE-ARMS.



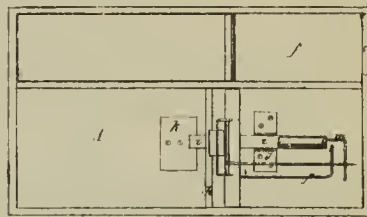
118,575 AUGUSTIN I. AMBLER.
GENERATING GASES FROM PETROLEUM.



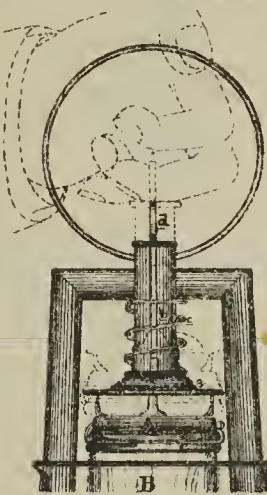
118,580 PETER R. BEAUPRE. LIFE-BOAT



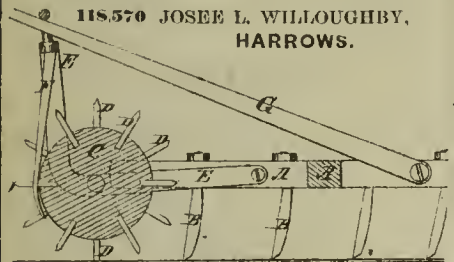
118,581 JOSEPH BIDDLE, ANIMAL-TRAPS.



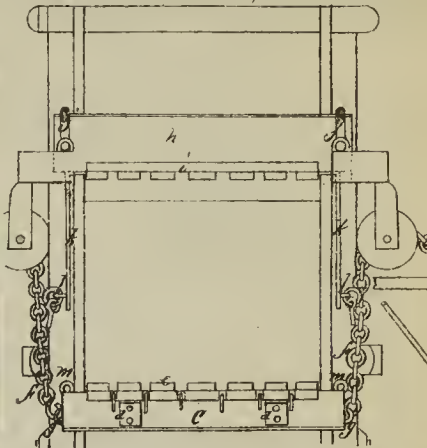
118,576
FREDERIC A.
BALCH,
LANTERNS.



118,570 JOSEF L. WILLOUGHBY,
HARROWS.



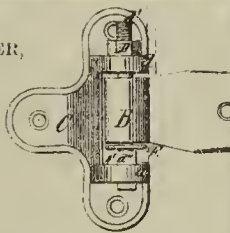
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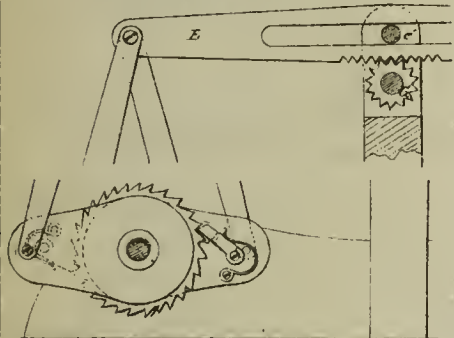
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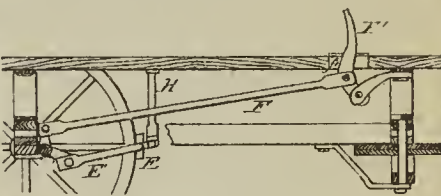
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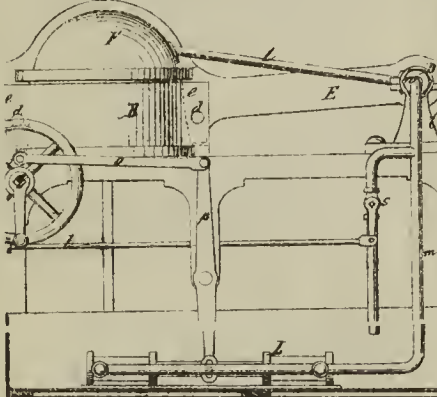
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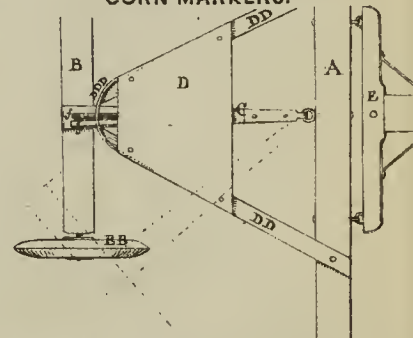
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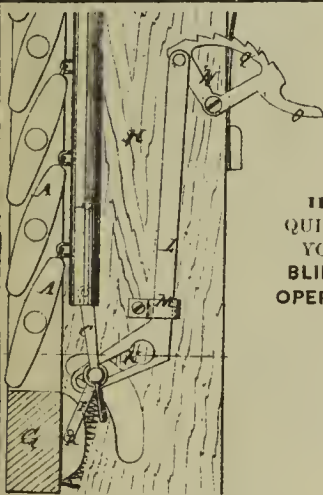
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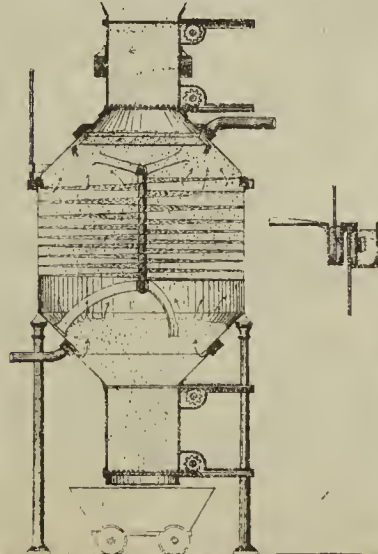
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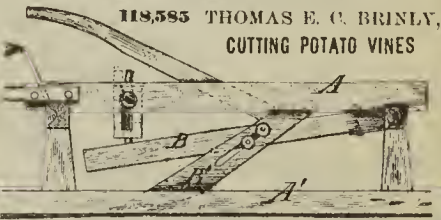
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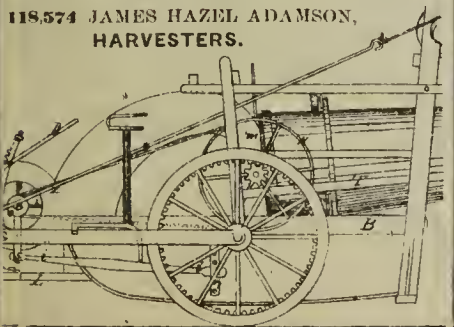
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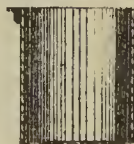
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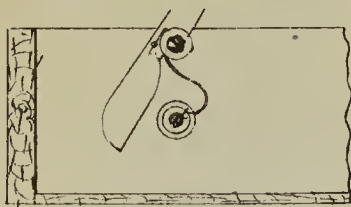
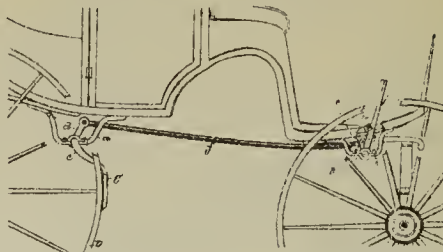
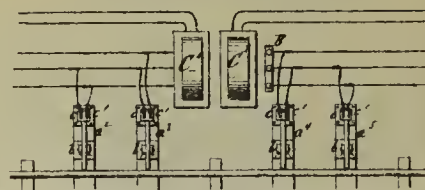
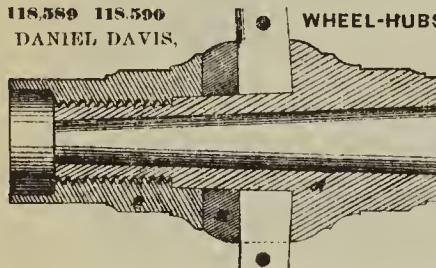
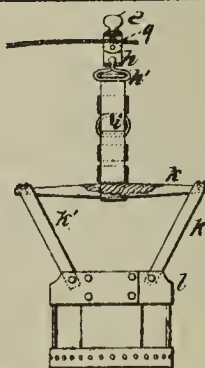


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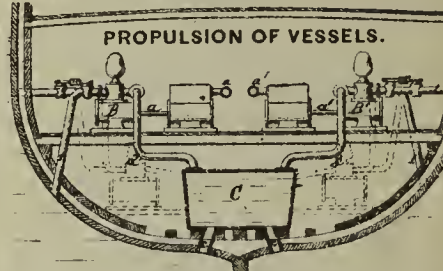
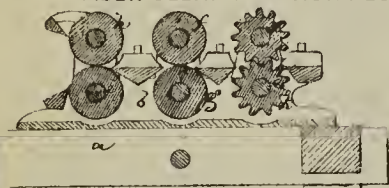
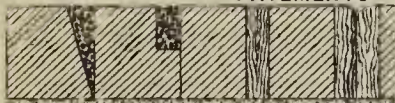
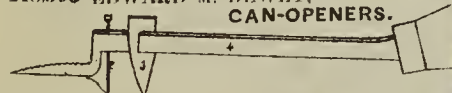
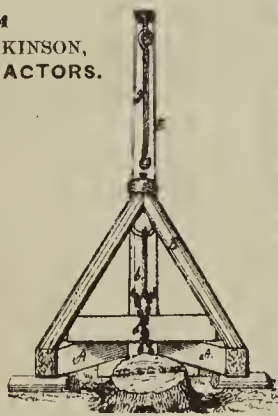
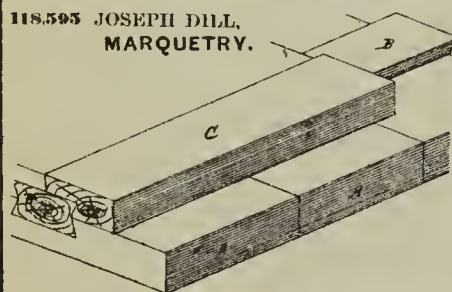
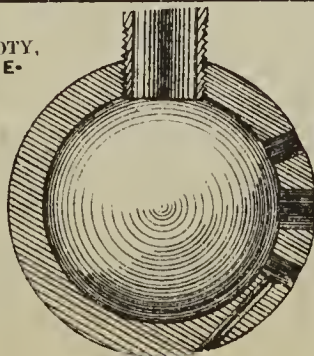
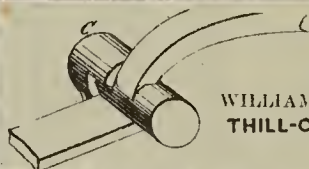
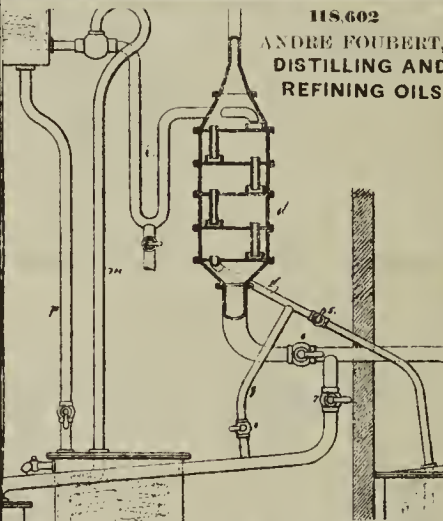
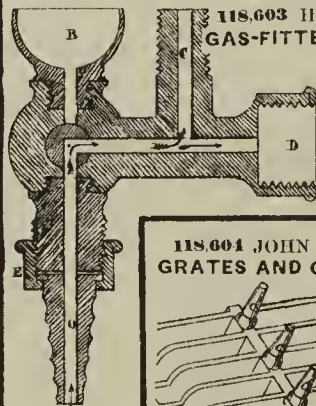
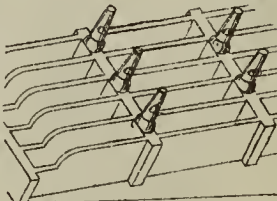
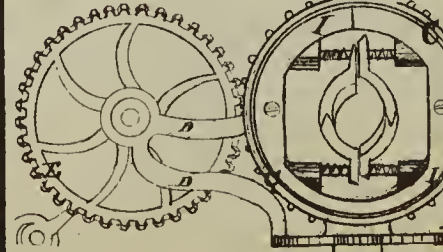
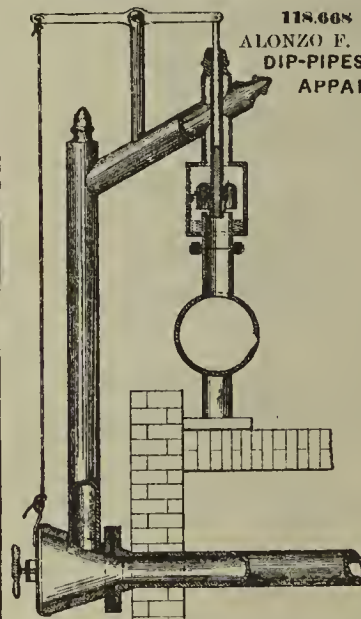
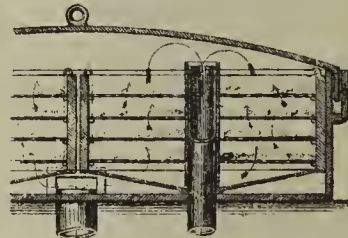
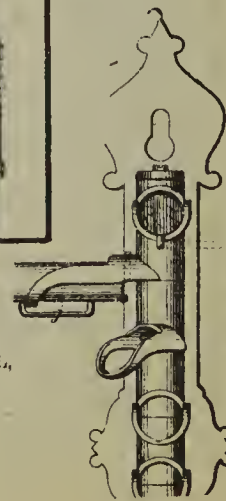
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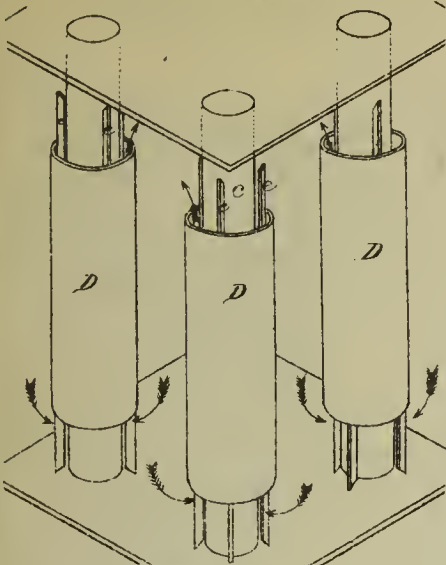
118,588 DAVIS AND THEODORE PARSONS,
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118,607 EDGAR HARRIOTT,

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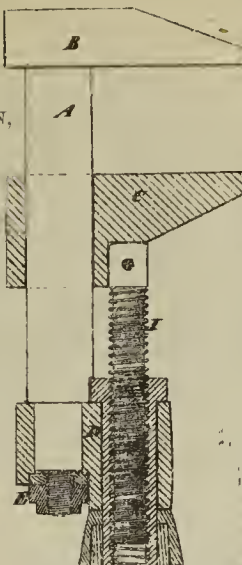
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118,613 OLIVER HYDE,
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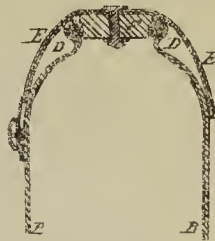


118,619

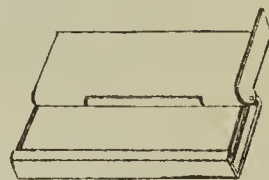
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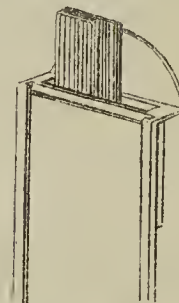
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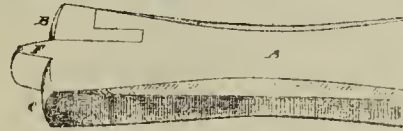
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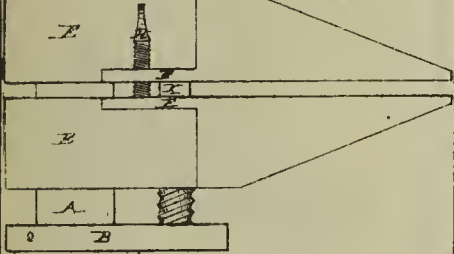
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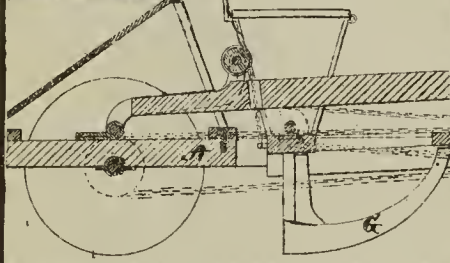
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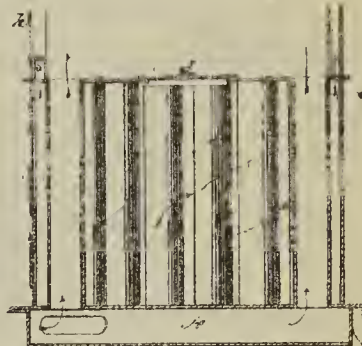
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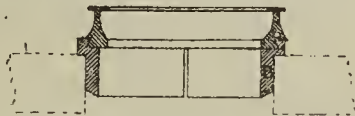
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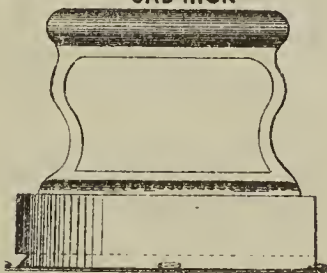
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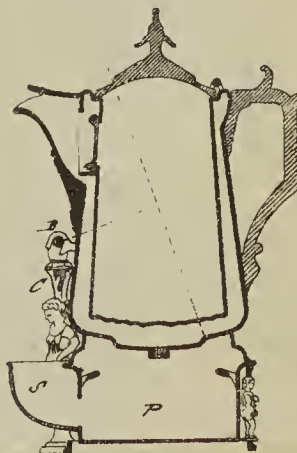
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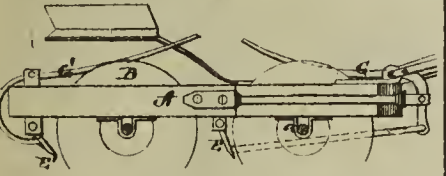
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118,630 FRIEND MILLER,
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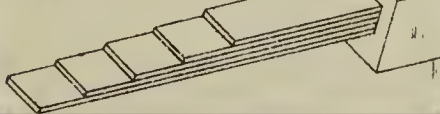


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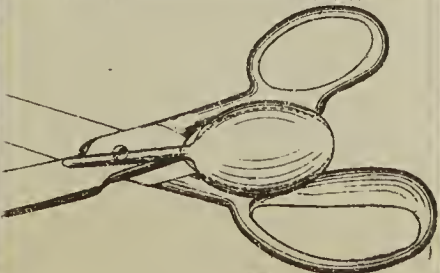


McBURNIE AND HOLLINGSWORTH,
PAPER-MACHINE DECKELS.

118,624



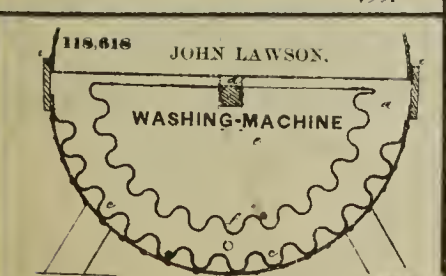
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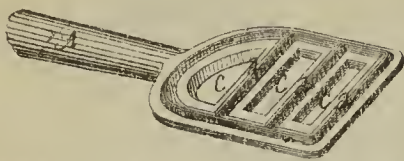
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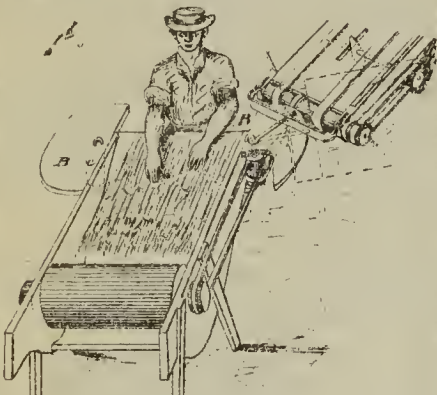
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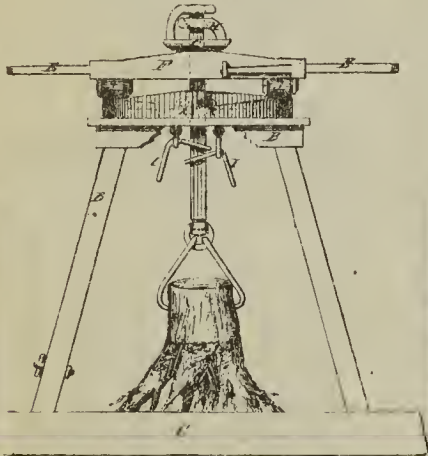
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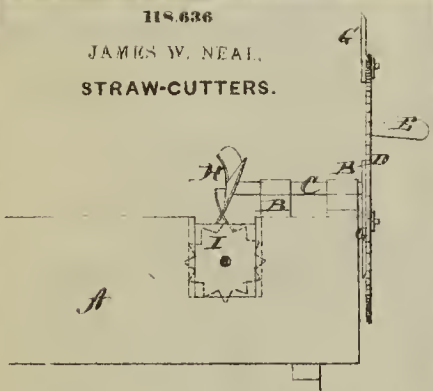
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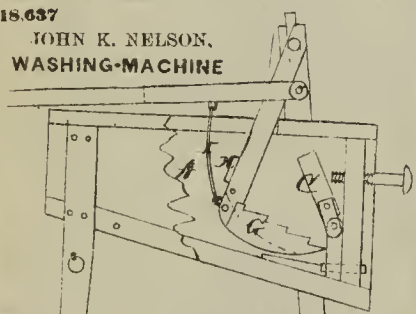
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118,636 JAMES W. NEAL,
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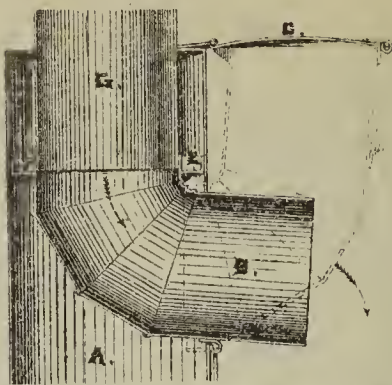
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118,638 GEORGE R. OWEN,
SHOE-BRUSHER



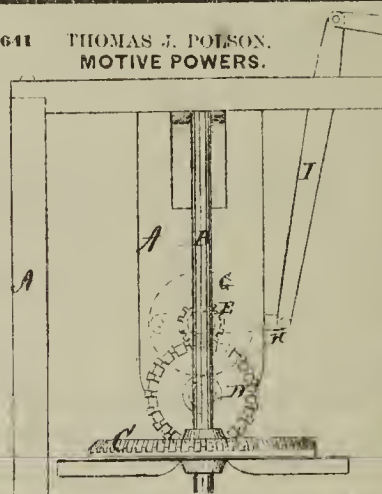
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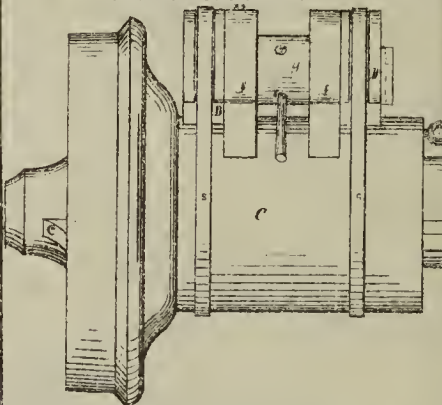
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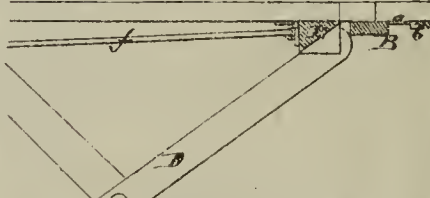
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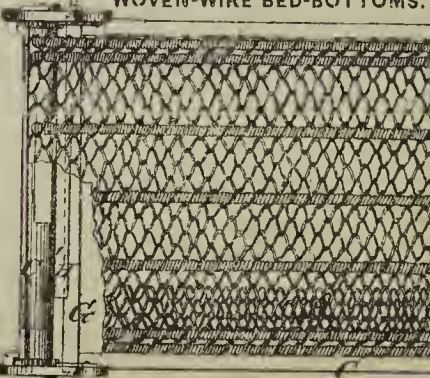
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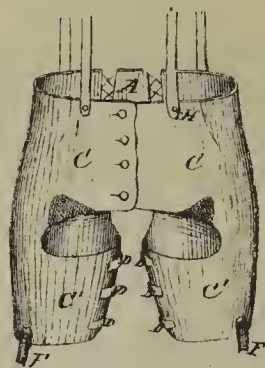
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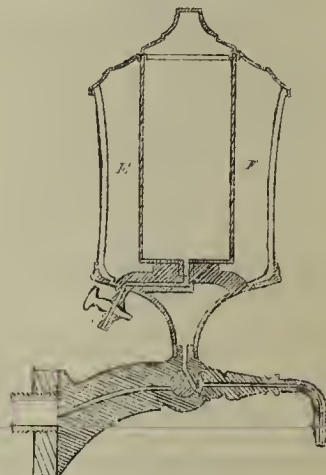
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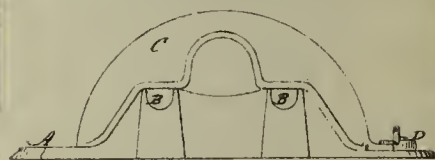
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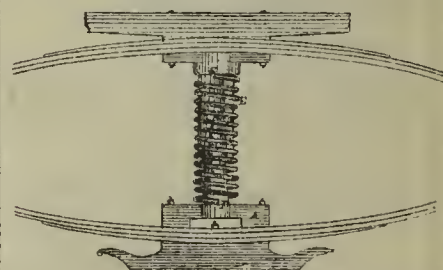
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BEER-COOLERS.



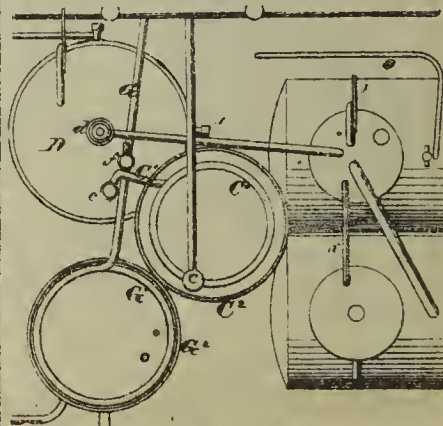
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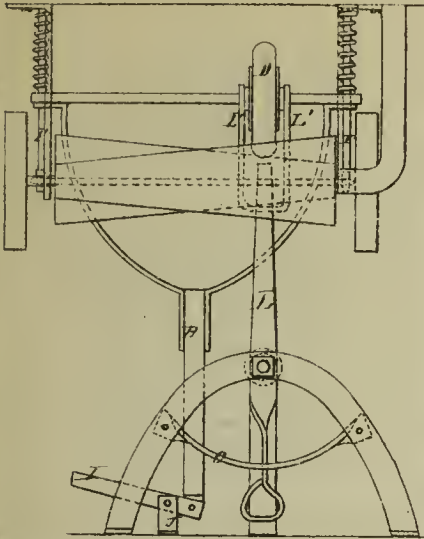
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CHECK-SPRINGS



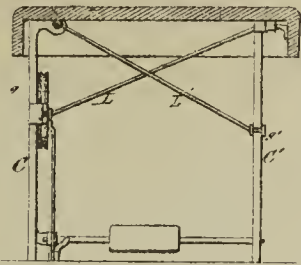
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MANUFACTURE OF ICE.



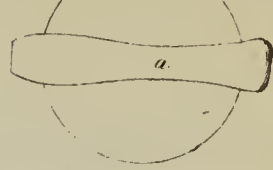
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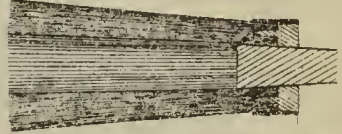
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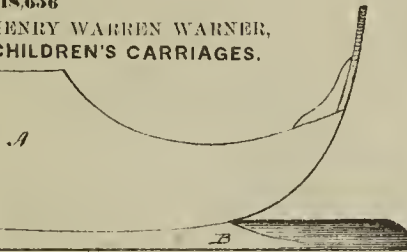
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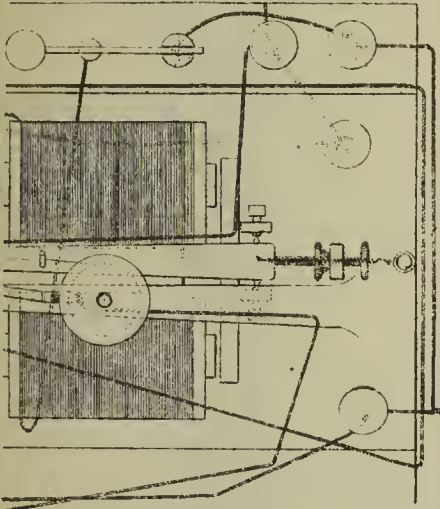
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BRUSHES.



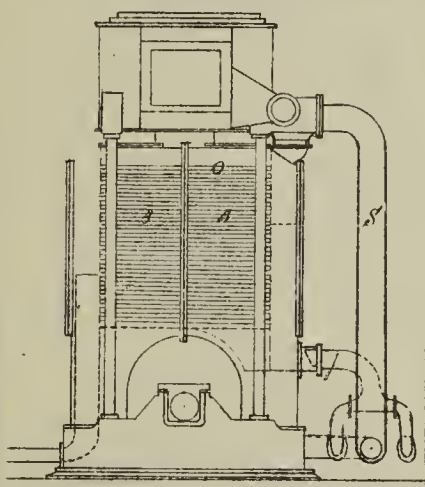
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HENRY WARREN WARNER,
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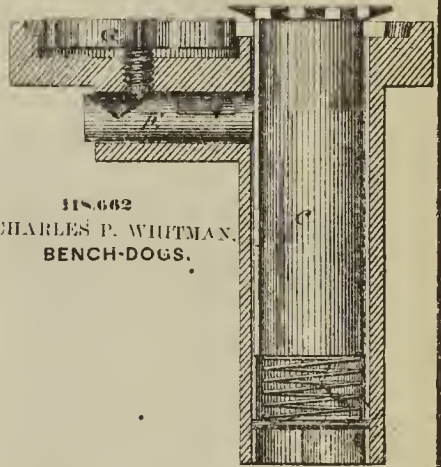
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ELECTRO-MAGNETIC SEWING-MACHINE



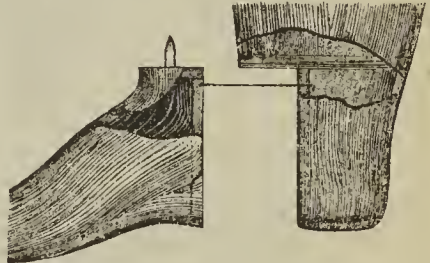
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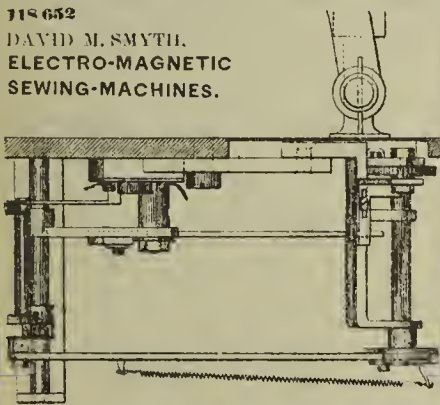
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CHARLES P. WHITMAN,
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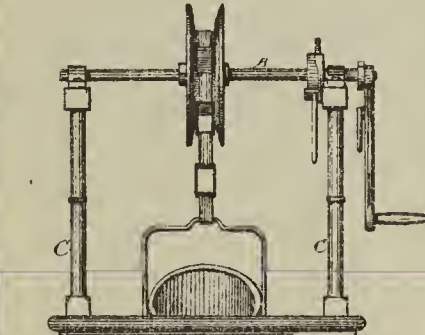
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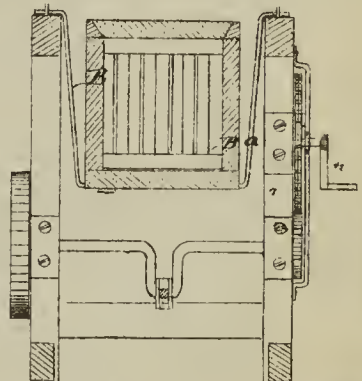
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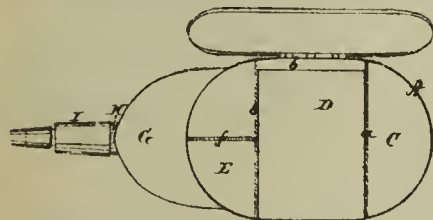
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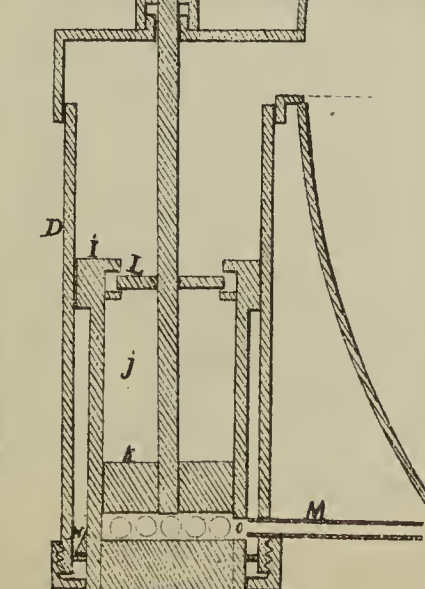
118,664 JAMES M. YEAGER, CHURNS.



118,653 WILLIAM H. TALLMAN,
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118,659 SHEPHERD H. WHEELER,
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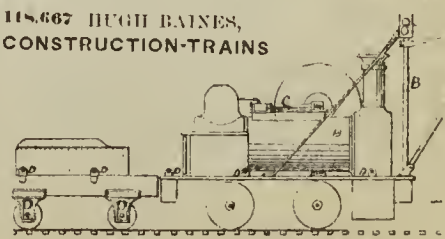


118,665

JOHN ZIMMERMAN,
CARRIAGE-CURTAIN
FASTENINGS.



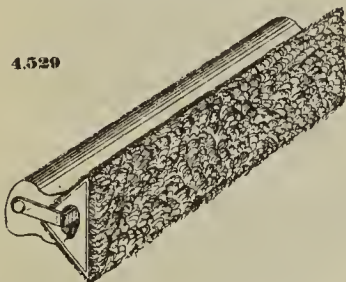
118,667 HUGH BAINES,
CONSTRUCTION-TRAINS



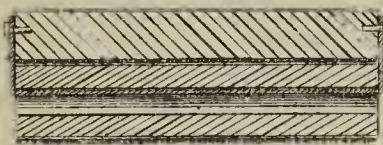
FRANCIS G. BUTLER, EVAPORATING-PANS.



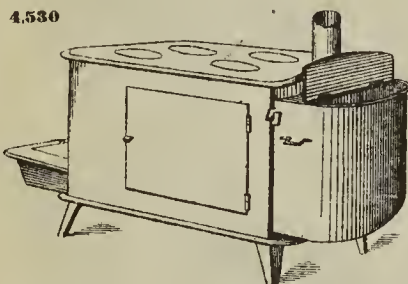
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AUGUSTUS CHARLES,
RUBBERS AND BRUSHES.

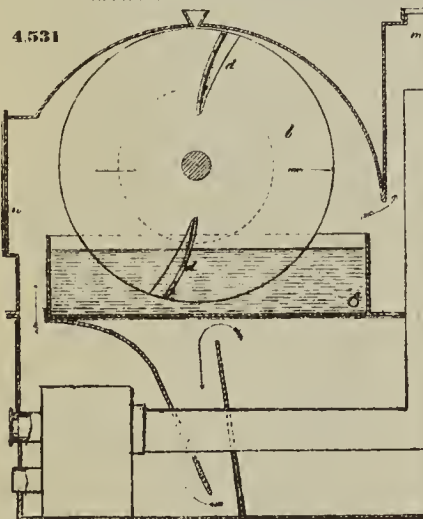
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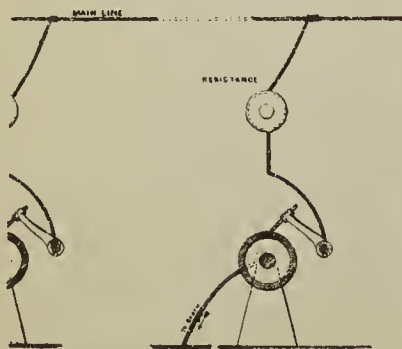
JAMES R. HYDE. COOKING-STOVES.



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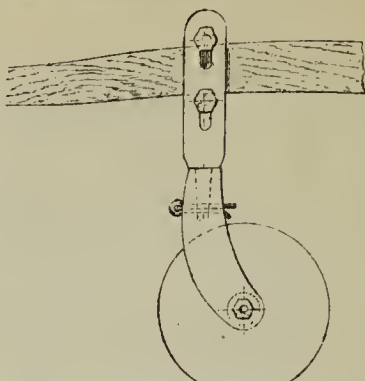
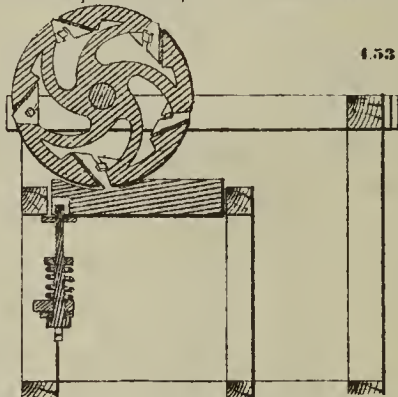
THOMAS W. JOHNSON,
APPARATUS FOR EVAPORATING

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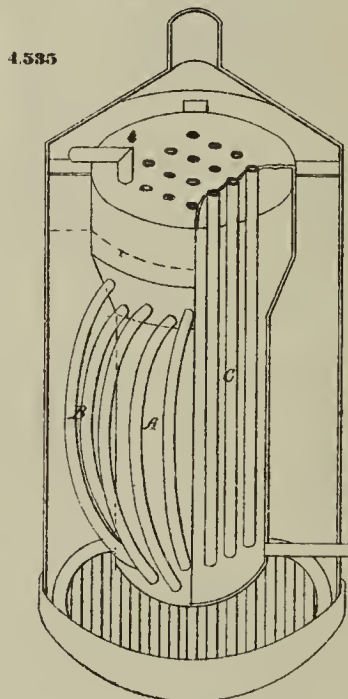
GEORGE LITTLE,
TELEGRAPH APPARATUS.

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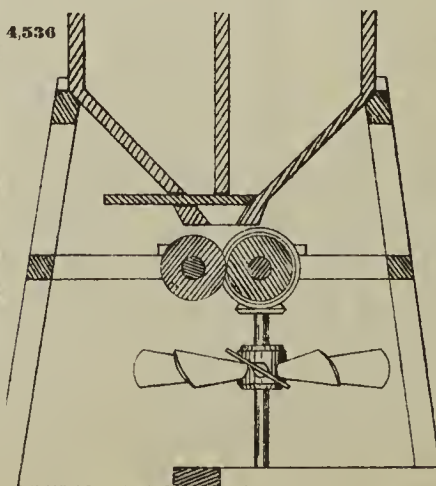
4,533 JOHN CASPER PFEIL. PLOWS.

ALBERT W. PRATT,
BUFFING, WHITENING, AND POLISHING LEATHER.

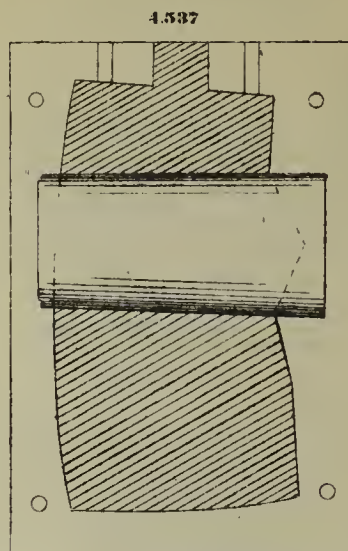
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ROGERS AND BLACK,
STEAM-GENERATORS.

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MARTIN L. SENDERLING,
PROCESSES FOR MIXING SUGAR.

4,536

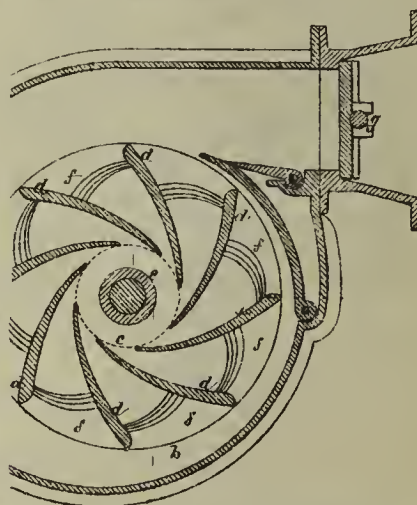
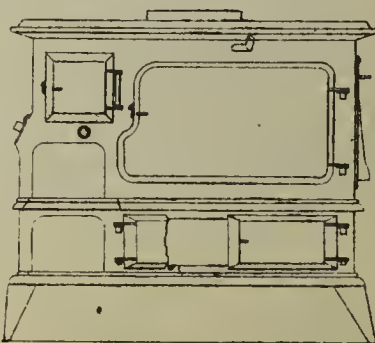
SAMUEL W. COLLINS,
CASTING EDGE AND OTHER TOOLS.

4,537

SAMUEL W. COLLINS,
CASTING EDGE AND OTHER TOOLS.

4,538

4,539 JOHN TYLER. WATER-WHEELS.

4,540 GEORGE W. WALKER,
COOKING-STOVES.

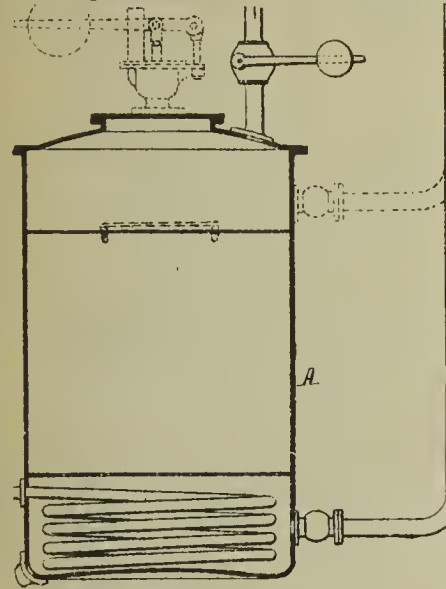
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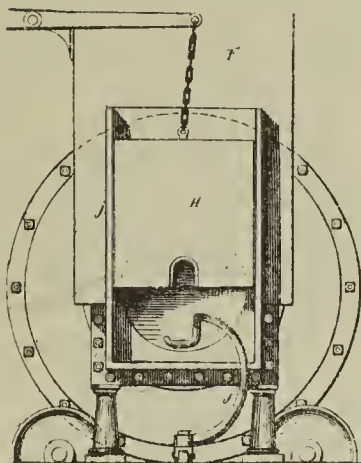
THE UNITED STATES PATENT OFFICE

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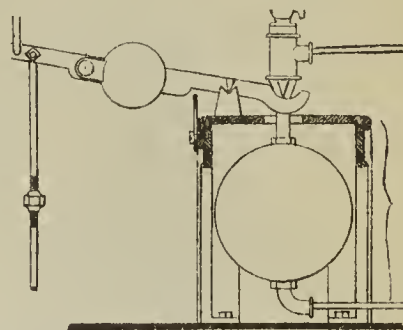
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WILLIAM ADAMSON,
TREATING ANIMAL AND VEGETABLE FIBERS.

118,674

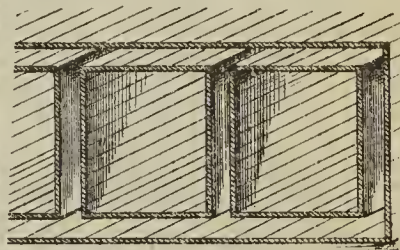
WILLIAM BAYNTON,
ROTARY PUDDLING-FURNACES.

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ROBERT BERRYMAN,
FEED-WATER REGULATORS.

118,680

HENRY BISBING, PROTECTING UNSLAKED LIME



118,669

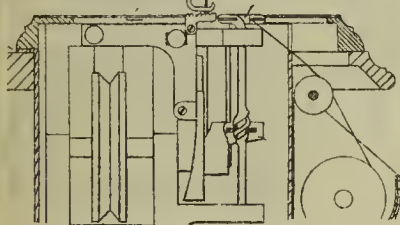
MATTHEW ANDREW,
GAS-ILLUMINATORS.

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H. MARK ANTHONY,
CANS FOR PRESERVING
FRUITS.

118,671

MARY E. ANTRIM, SEWING-MACHINES.

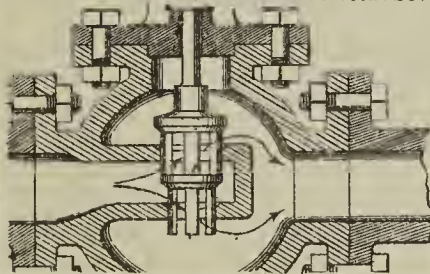


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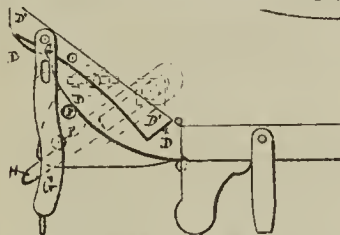
CICERO BECKHAM,
HANDLES OF POCKET-KNIVES.

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WILLIAM BELLIS, THROTTLE-VALVES.

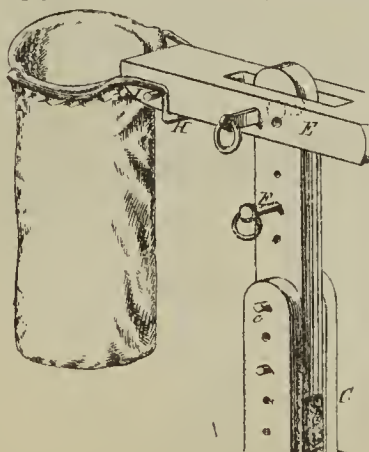


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ALBERT FREDERICK BENTEN,
BED-LOUNGES.

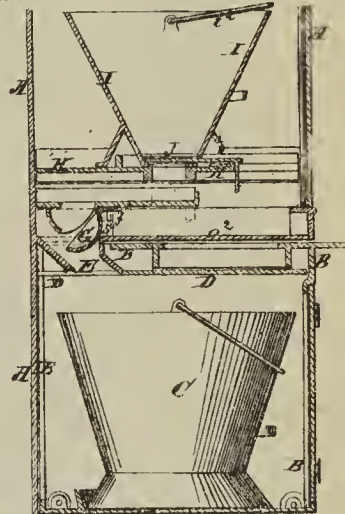
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NORBORNE BERKELEY, CARRIAGE-JACKS,

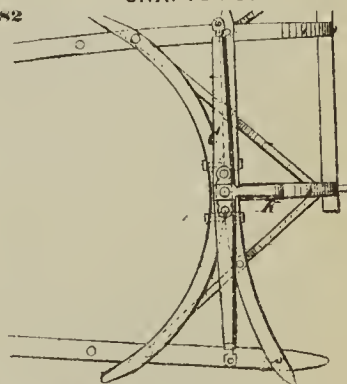


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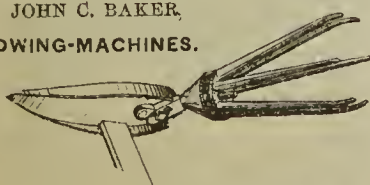
WILLIAM H. BLISS, EARTH-CABINETS.

CHARLES BOCK AND DANIEL BOCK,
SHAFTS FOR SLEIGHS.

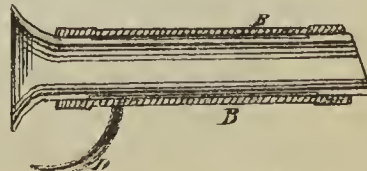
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JOHN C. BAKER,
MOWING-MACHINES.

118,683

JEROME D. BRUCE,
SPECULUM ATTACHMENTS.

AARON WHITED BUNNELL,

118,684

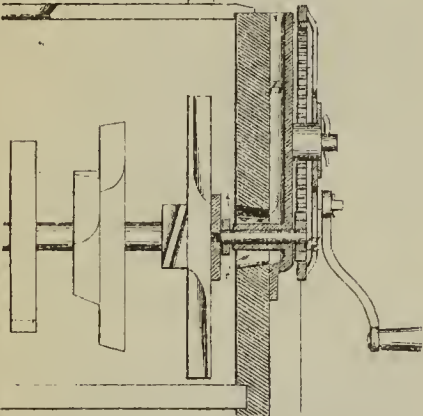
LOCK-NUTS.

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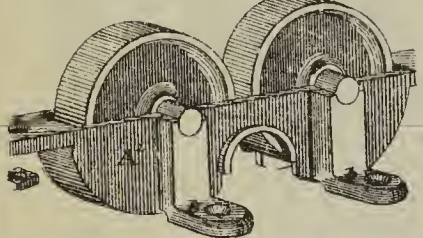
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JAMES W. CHAPMAN, CHURNS.



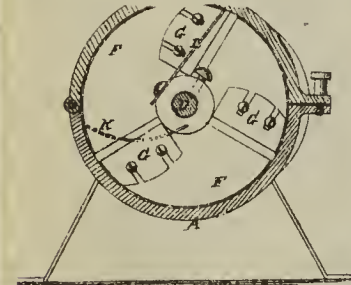
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PASCAL P. CHILD, JOURNAL-BOXES



118,689

CLEMANT C. CLAWSON, ROTARY ICE-SHAVERS.



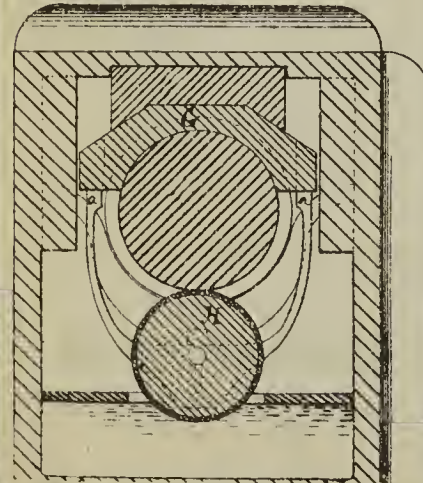
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CLEMMER AND CLEMMER PRUNING-SHEARS.



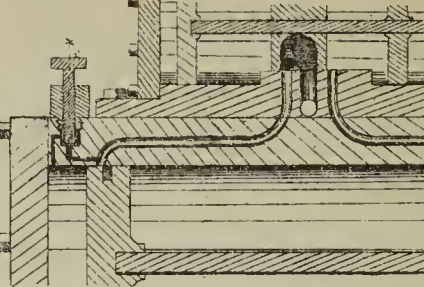
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EDWARD COLLINS, LUBRICATING CAR-AXLE JOURNALS.



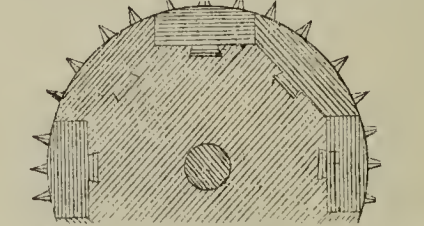
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JOHN M. COOPER, STEAM-ENGINES.



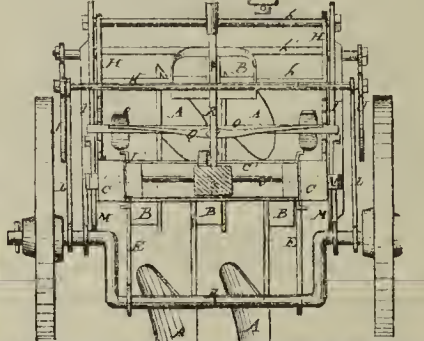
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HARMON W. CORNELL, CASTING TOOTHED CYLINDERS.



118,694

RUDOLPH CORETH, WHEEL-PLOWS.

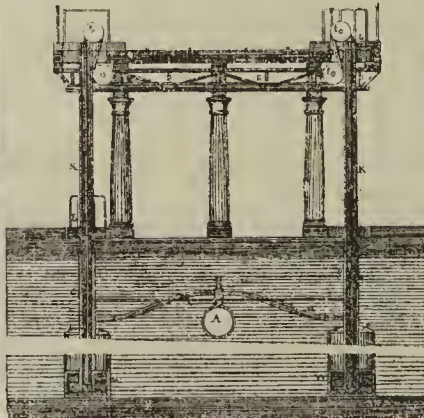


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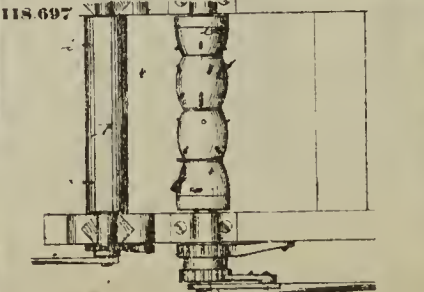
JESSE A. CRANDALL, VELOCIPEDES.



118,696 HYDRAULIC AND PNEUMATIC ELEVATORS HORACE H. DAY.



WALTER L. DEAN, LOG-BINDERS.



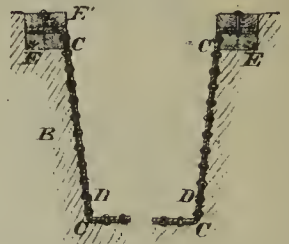
DENTON AND DENTON,

118,698 EXTENSION CLOTHES-POLES.



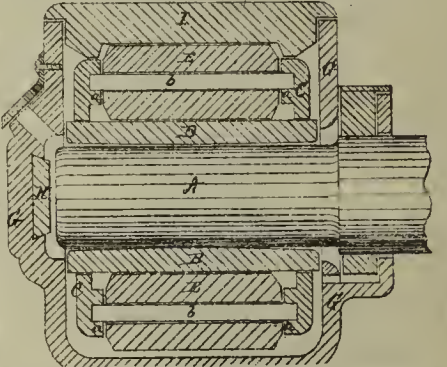
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WILLIAM H. DOANE, CANALS.



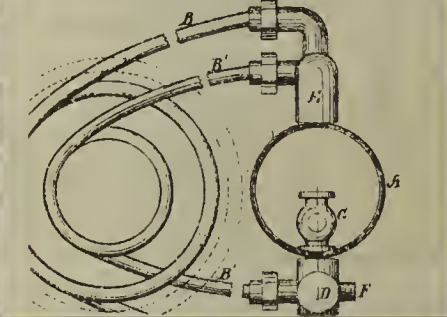
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DAVIS H. DOTTERER, CAR-AXLE BOXES.



118,702

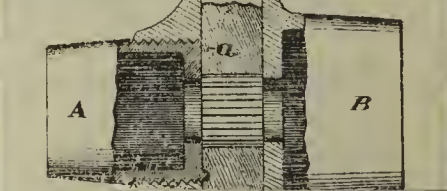
RUS W. DUGAN, STEAM-GENERATORS.



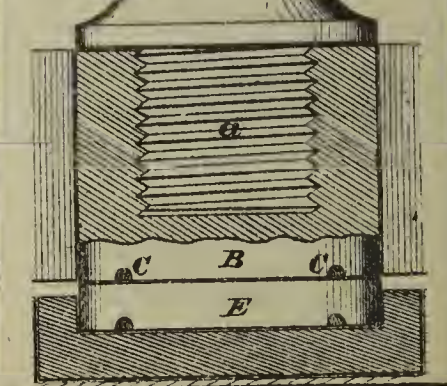
118,703 EDWARD DUMMER, REDUCING FRICTION ON ROLLERS AND BEARINGS.



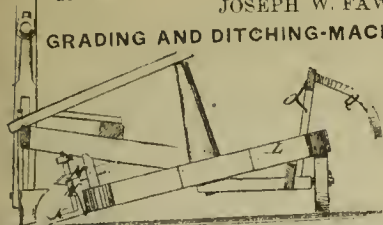
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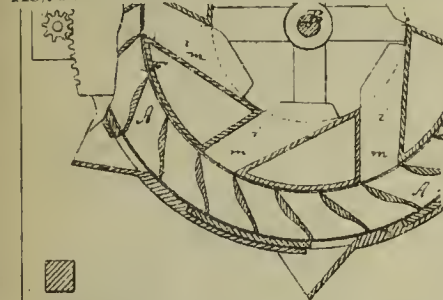
118,705 LUBRICATORS FOR SHAFTINGS. LEWIS FAGIN.



118,707

JOSEPH W. FAWKES.
GRADING AND DITCHING-MACHINES.

118,708

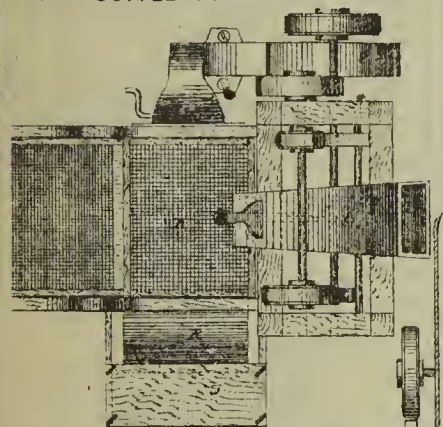
WATER-WHEELS.
DANIEL A. FLUMMERFELT.

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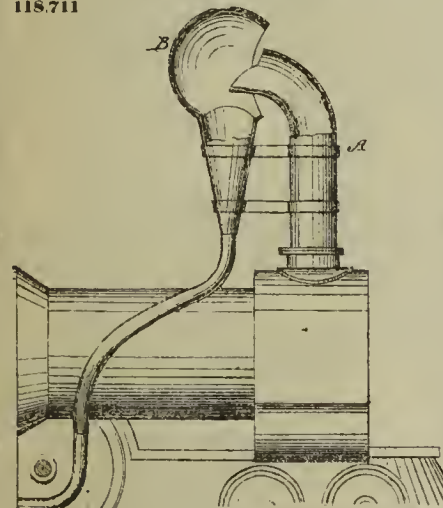
GAS-PUMPS. WILLIAM FOSTER.



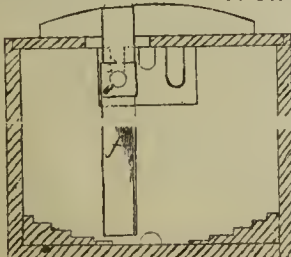
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RICHARD FRISBY.
COFFEE AND GRAIN-CLEANERS.

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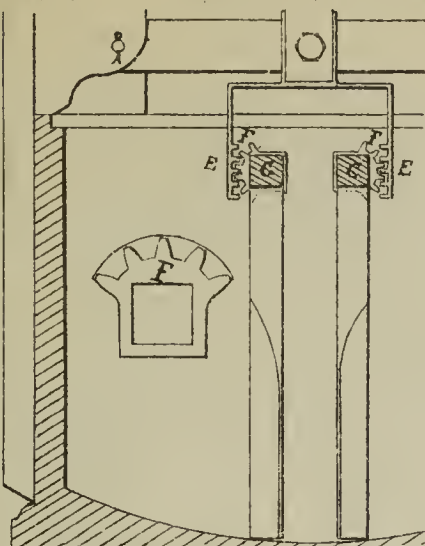
MICHAEL A. GLYNN.
SPARK-ARRESTERS.

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ELIAS GROAT.
CHURNS.

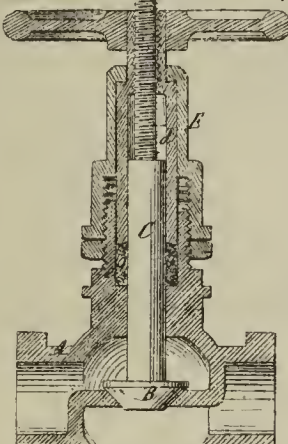
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ELIAS GROAT, CHURNS.

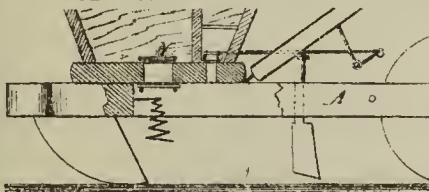


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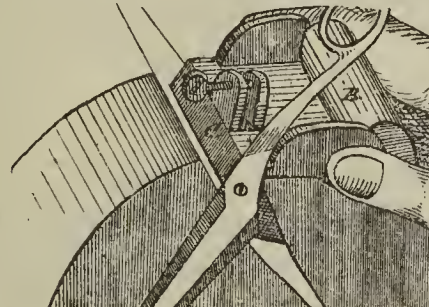
WILLIAM HAAS, STOP-VALVES.



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EDWARD P. HARNISH.
SEED AND FERTILIZER-DROPPERS.

118,717

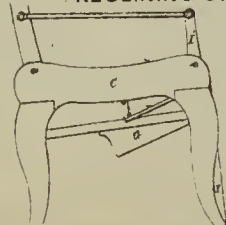
HARWOOD AND AMES.
HOLDERS FOR GRINDING SCISSORS.

118,718

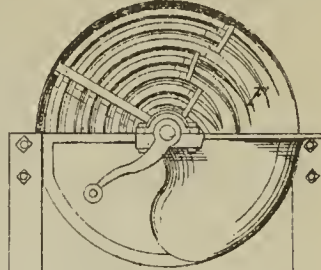
MARTIN PETER HAYES.
EVAPORATORS FOR BRINE.

118,719

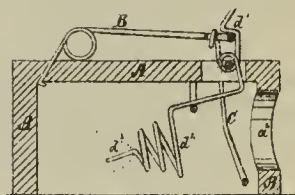
WILLIAM HEATH, RECLINING-CHAIRS.



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WILLIAM L. HEBERLING.
VEGETABLE-CUTTERS.

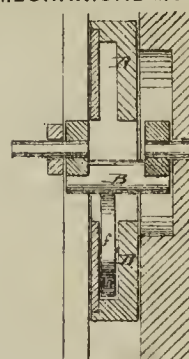
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CHARLES A. HOTCHKISS,
MOUSE-TRAPS.

118,722

LIVERUS HULL
GAS-BRACKETS.

118,723

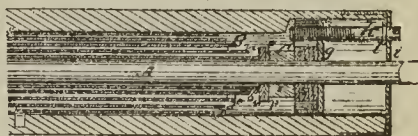
JOHN J. KIMBALL
MECHANICAL MOVEMENTS.

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WILLIAM W. KITTLEMAN.
TRACE-BUCKLES.

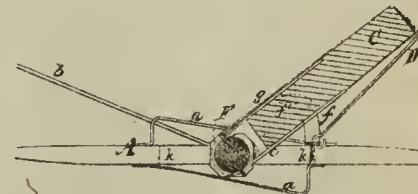
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A. HAYDN KNAPP, CURTAIN-FIXTURES.



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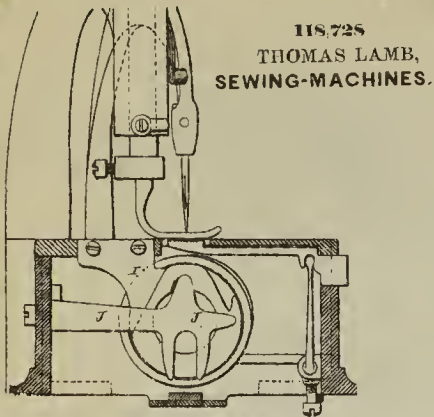
CHARLES KUGLER, HORSE HAY-RAKES.



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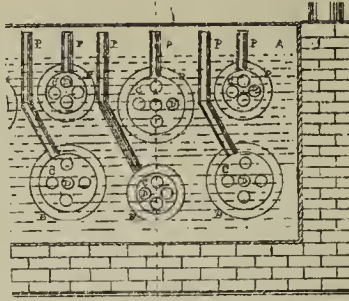
ERASTUS B. KUNKLE, EGG-BEATERS.



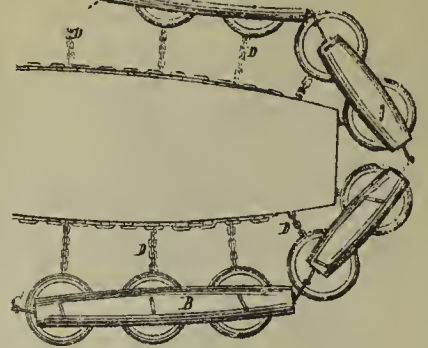


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THOMAS LAMB,
SEWING-MACHINES.

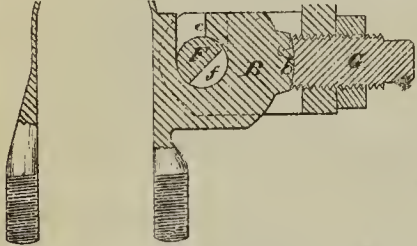
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JOHN MANN,
STEAM-GENERATORS.



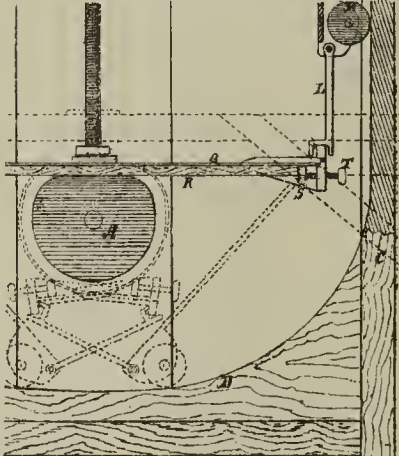
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MILO OSBORN,
RAISING SUNKEN VESSELS.



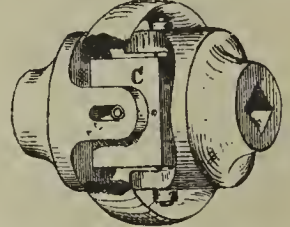
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LEVI M. LAWLESS,
CARRIAGE-SHACKLES.



118.736
AUGUSTUS F. MARSHALL,
MACHINES FOR BENDING WOOD.



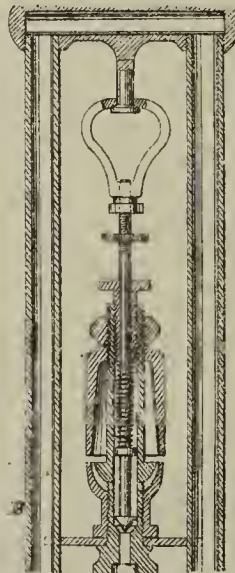
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AURELIUS V. PITTS,
SHAFT-COUPPLINGS.



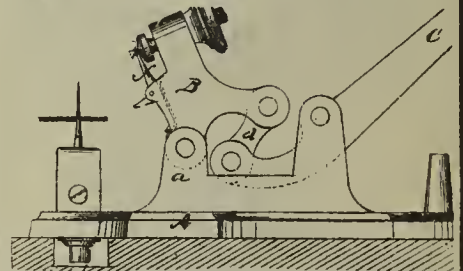
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LEVI M. LAWLESS,
WEATHER-STRIPS FOR DOORS.



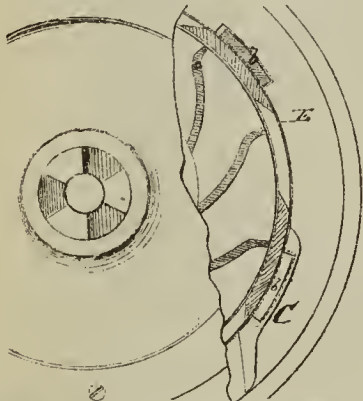
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GIDEON B. MASSEY,
LOW-WATER DETECTERS.



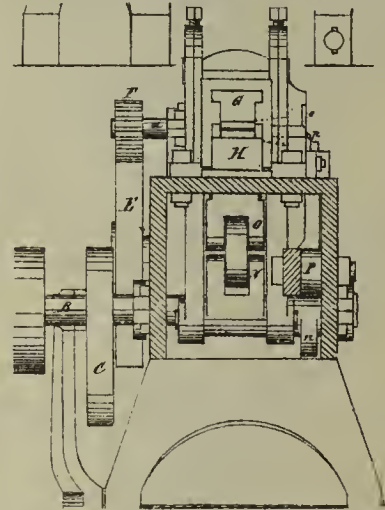
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WILLIAM S. PLATT,
MACHINES FOR ATTACHING BUTTONS.



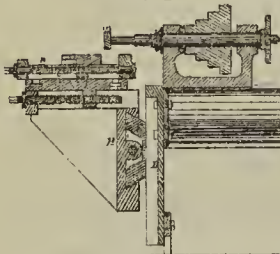
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ALEXANDER C. LESNER,
WATER-WHEELS.



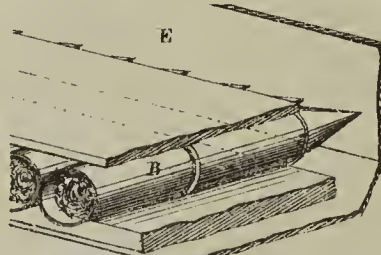
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HENRY REESE, NAIL-MACHINES.



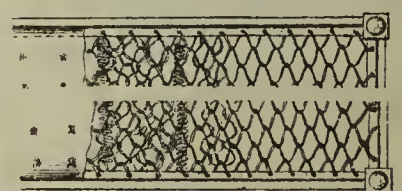
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WILLIAM A. N. LONG,
MILLING-MACHINES.



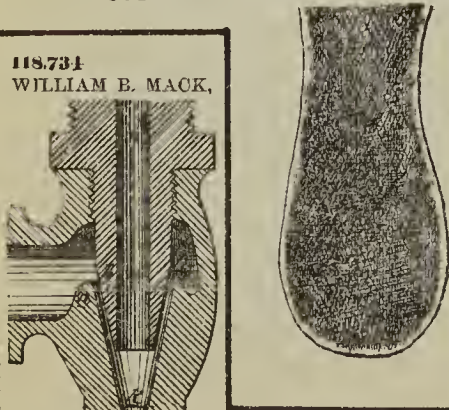
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EDWARD A. METZ,
APPARATUS FOR MAKING CIGARS.



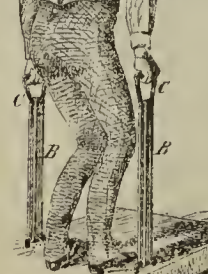
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GEORGE RICHARDSON,
BED-BOTTOMS.



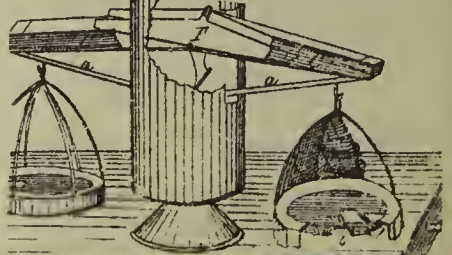
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JOSEPH LUTTENCHLAGER,
SOLES FOR BOOTS AND SHOES.



118.740
FRANCIS B. O'CONNOR,
LIFTING-MACHINES.



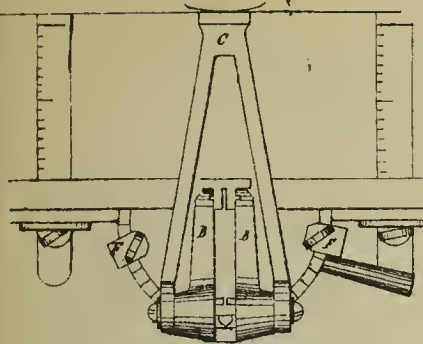
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FRANK L. ROSENTRER,
AUTOMATIC FLY-TRAPS.



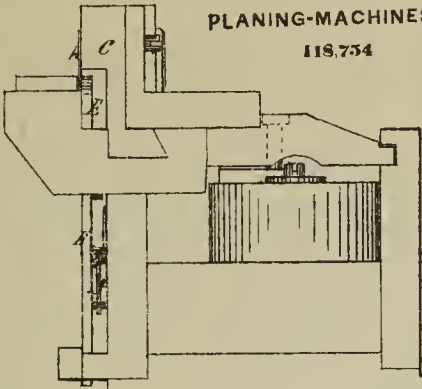
INJECTORS FOR STEAM-BOILERS.

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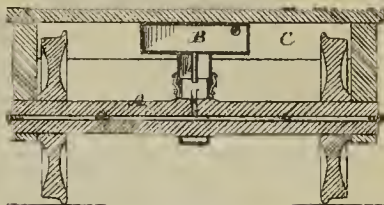
MARVIN OVEN BOYCE,
MITER-BOXES.



LUTHER T. SMART.
PLANING-MACHINES
118,754

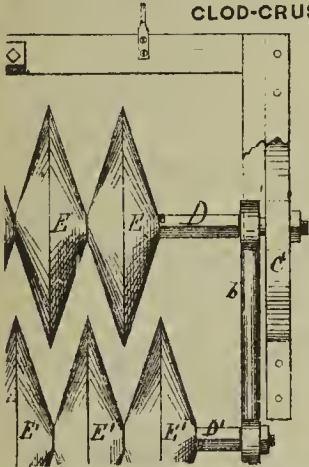


118,760 ARCHIBALD B. TRIPLER,
PREVENTING RAILWAY AXLES FROM HEATING.



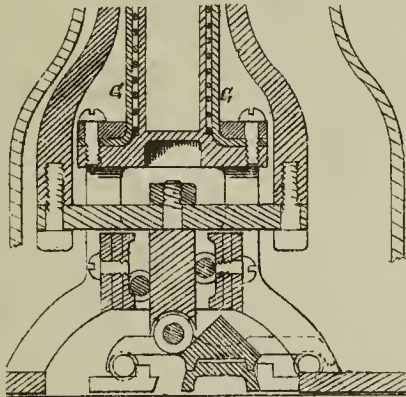
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JOHN SCHLOSSER,
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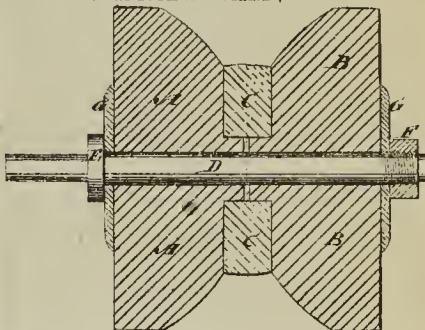


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D. BRAINARD SPOONER.
FLUID-METERS.

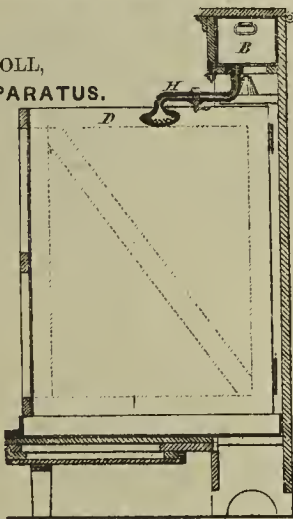


118,761 MATTHEW WARD, PULLEYS.



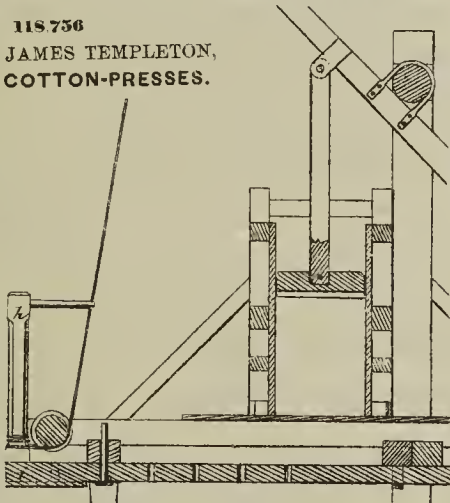
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GEORGE SCHOLL,
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118,756

JAMES TEMPLETON,
COTTON-PRESSES.

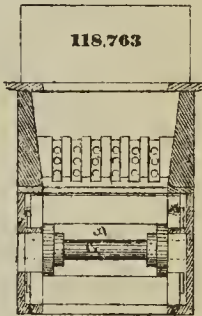


ROYAL F. WELLER,
FIRE-GRATES.
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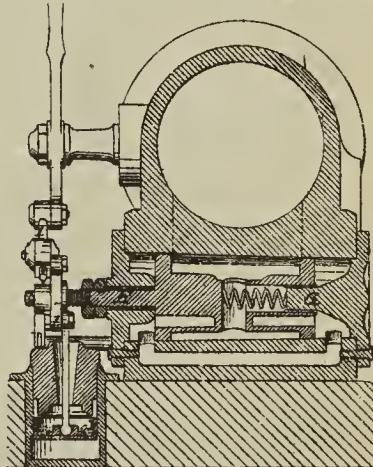
ASA A. WESTCOTT,
STEPS FOR SPINDLES

118,763



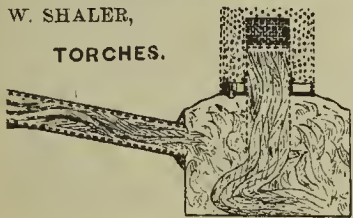
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JEROME WHEELOCK,
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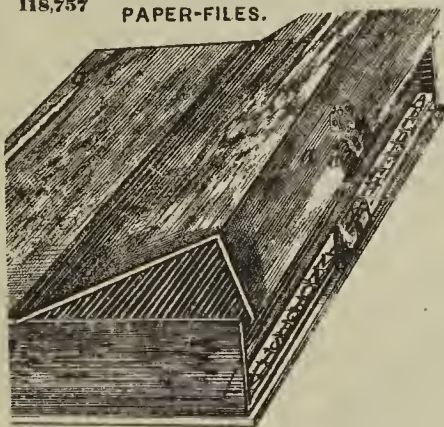
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IRA W. SHALER,
TORCHES.



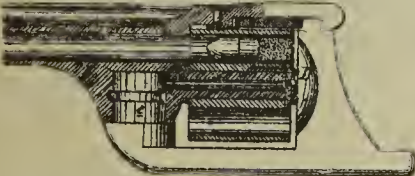
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EDWARD H. THOMPSON,
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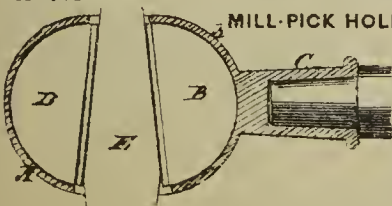
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CHRISTIAN SHARPS,
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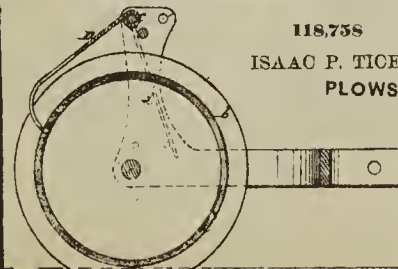
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JAMES P. SINCLAIR,
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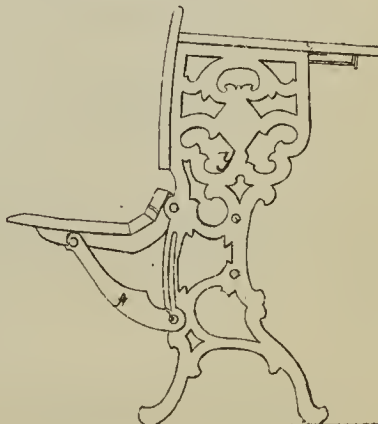
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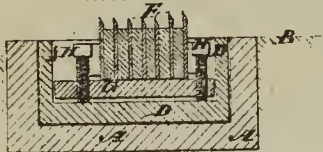


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SCHOOL-DESKS AND SEATS.



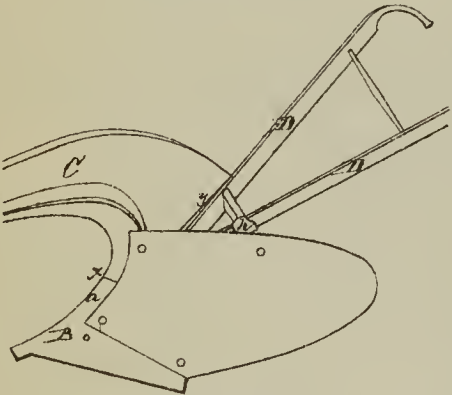
EDWARD WILKINSON.
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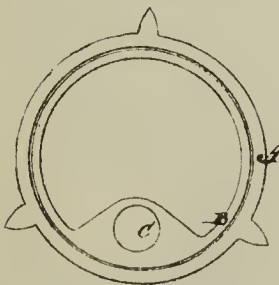
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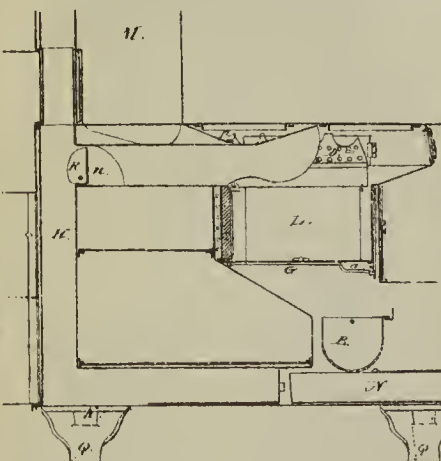
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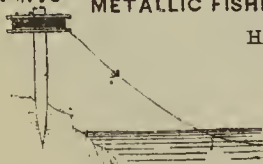
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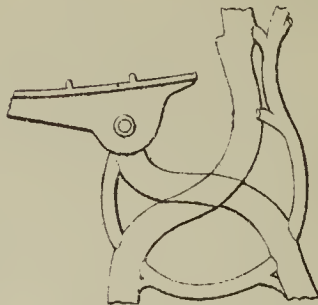
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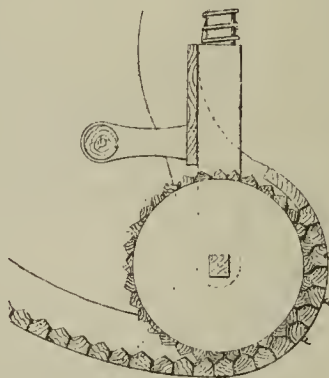
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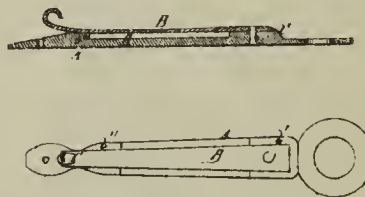
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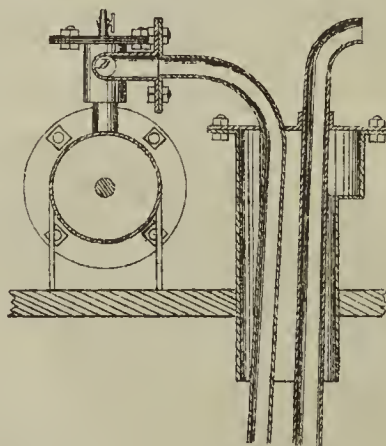
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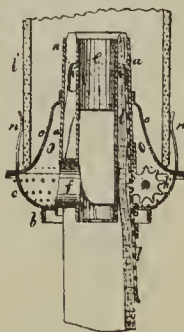
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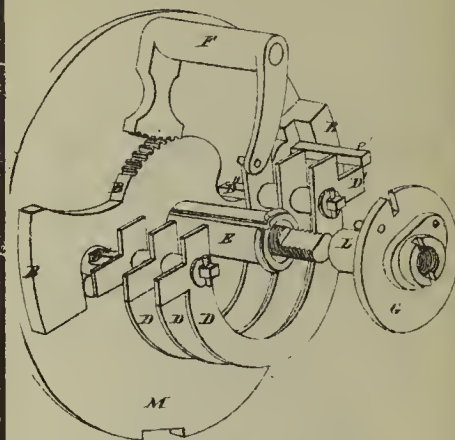
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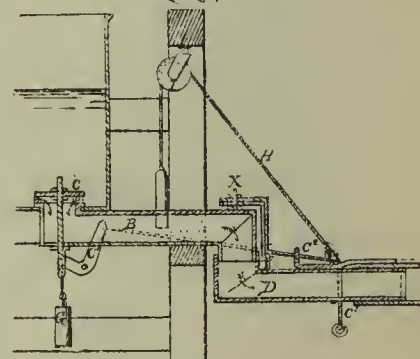
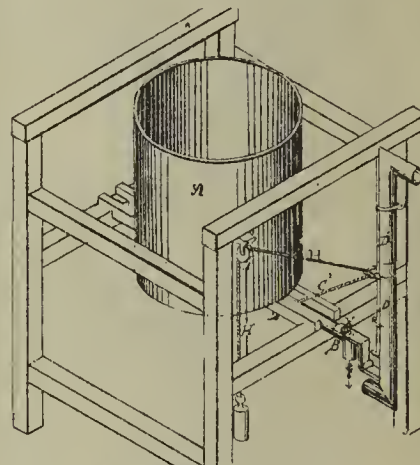
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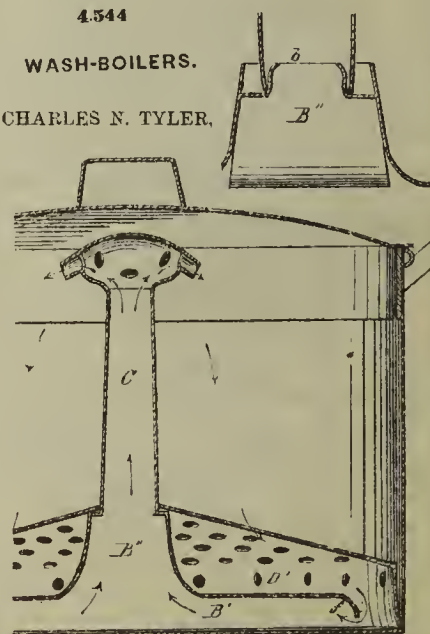
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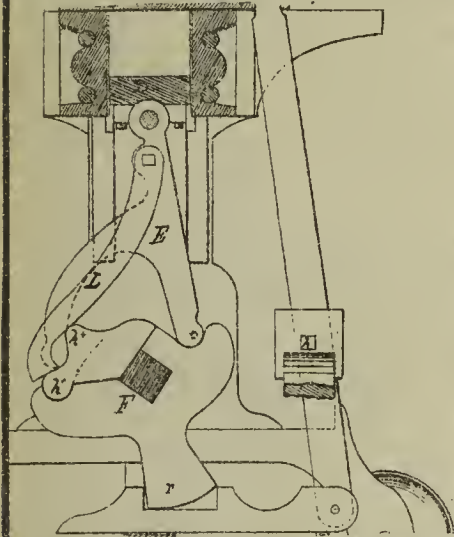
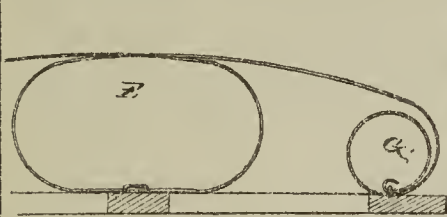
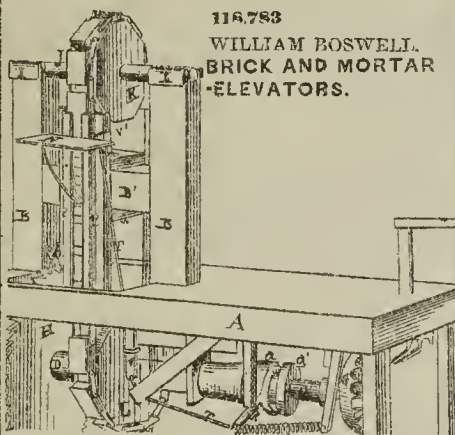
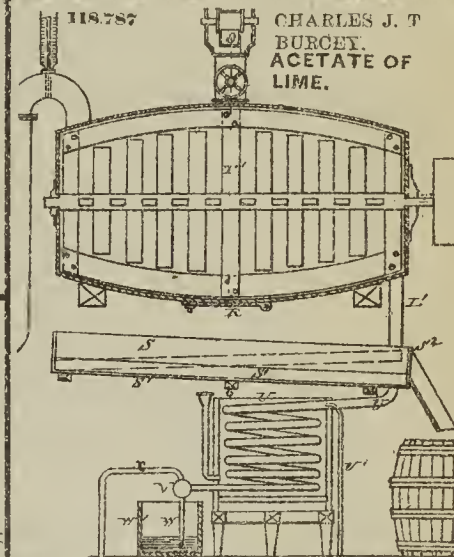
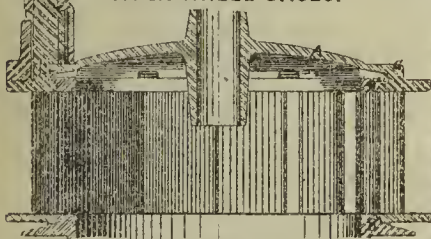
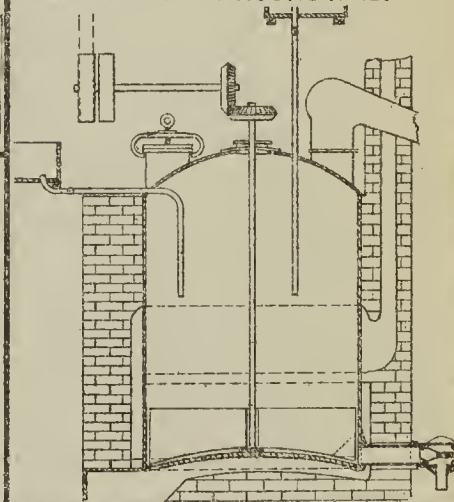
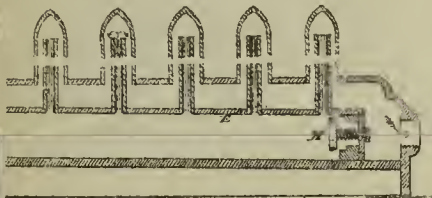
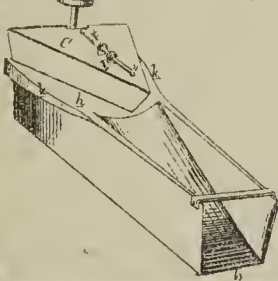
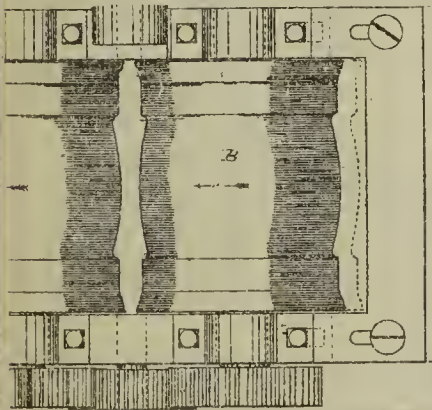
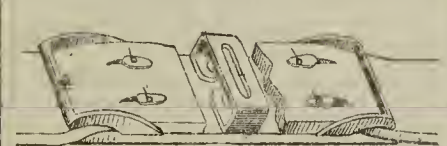
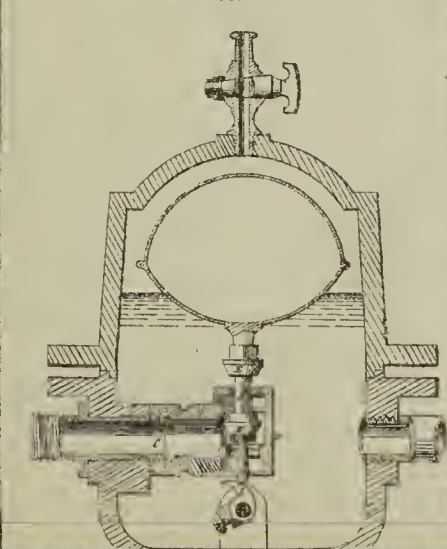
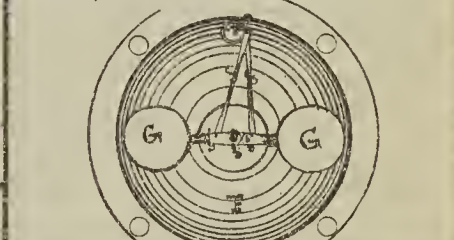
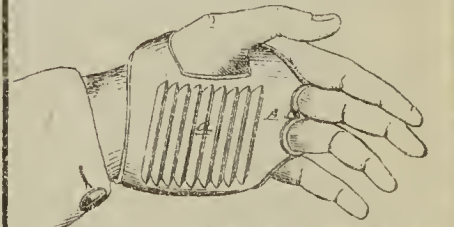
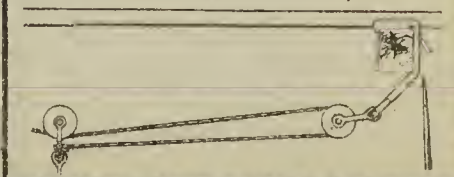


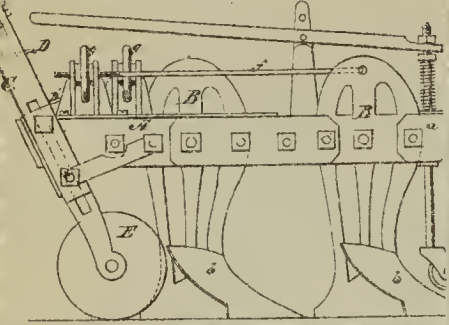
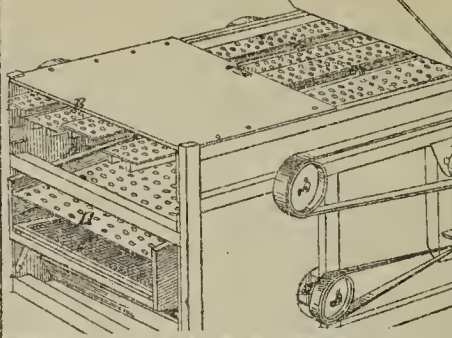
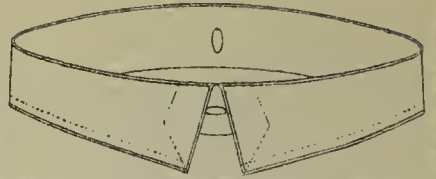
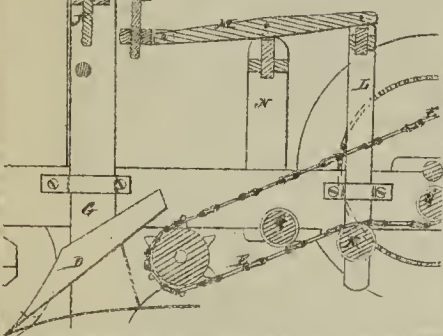
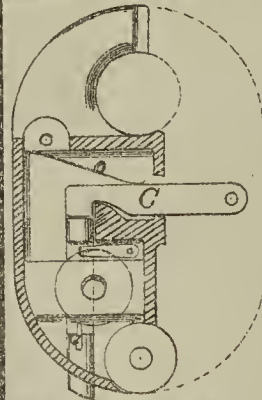
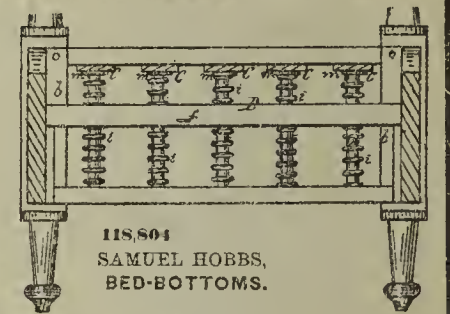
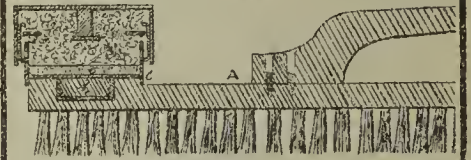
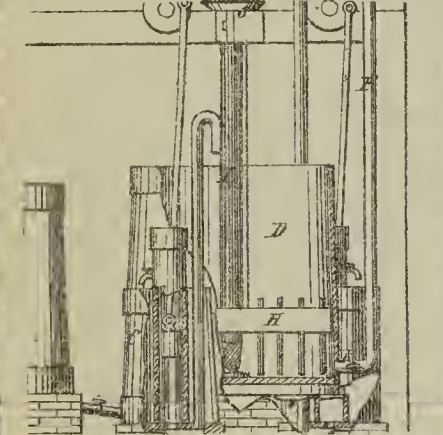
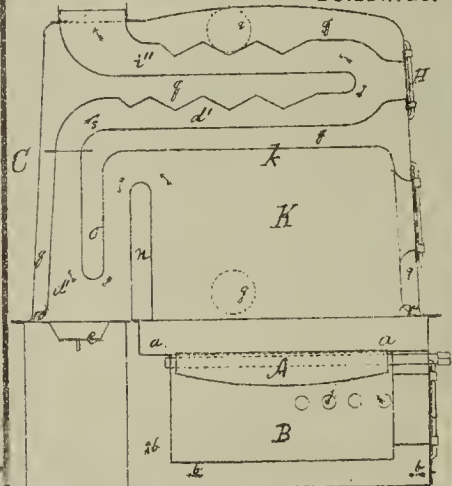
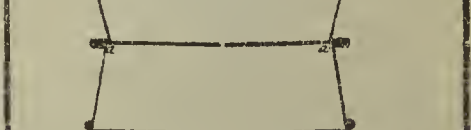
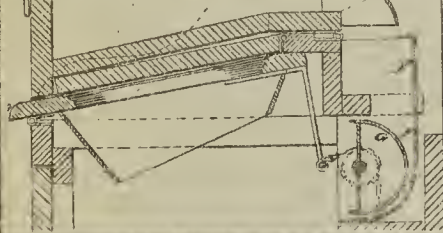
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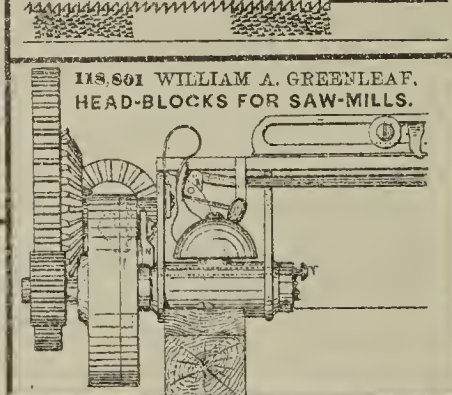
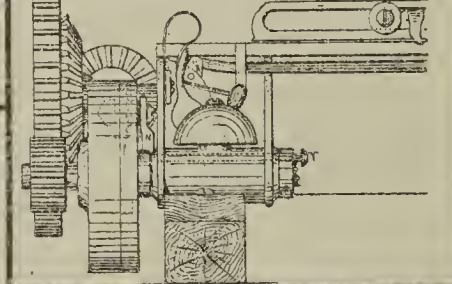
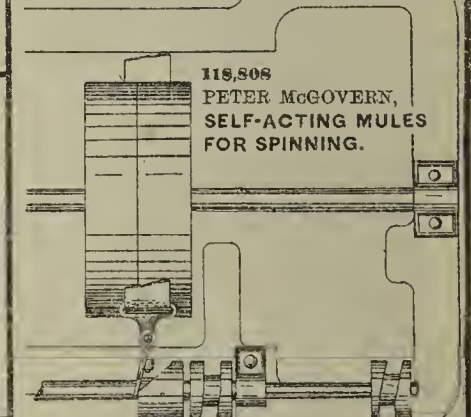
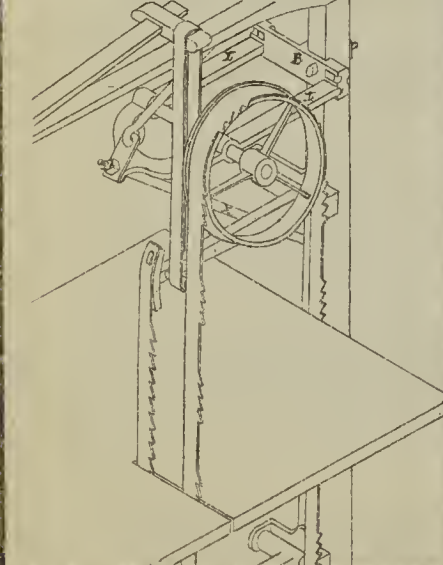
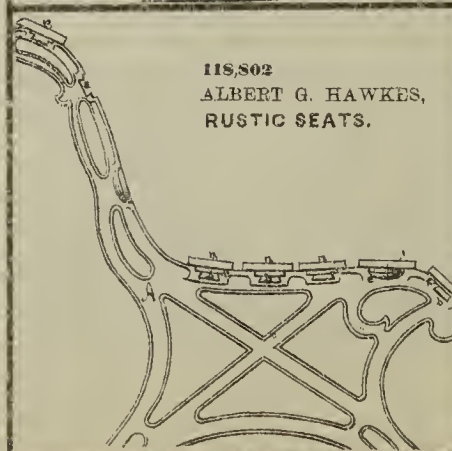
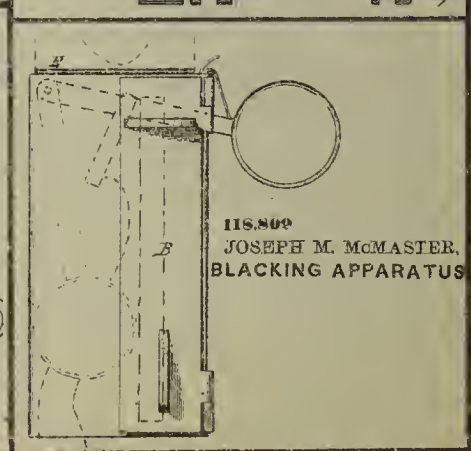
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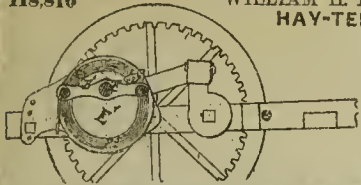
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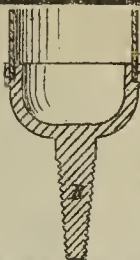
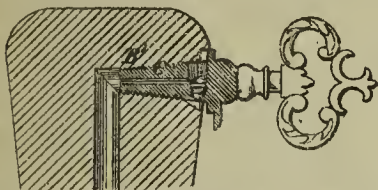
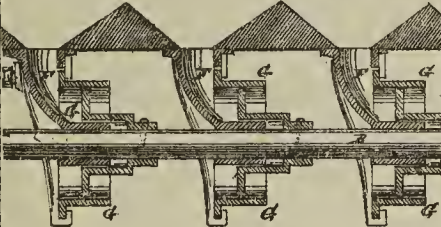
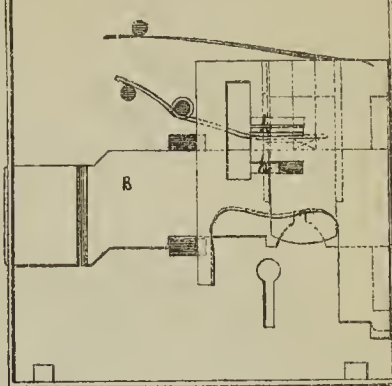
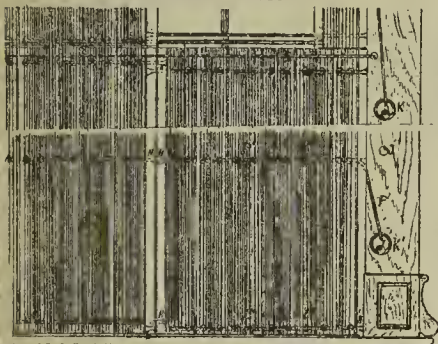
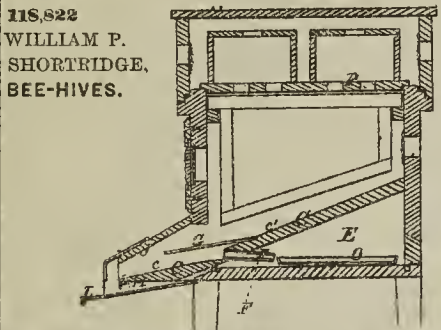
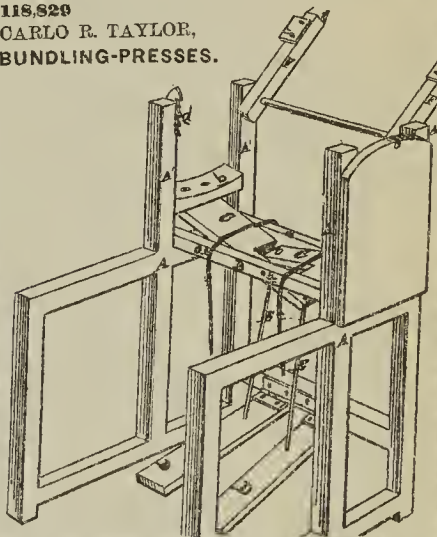
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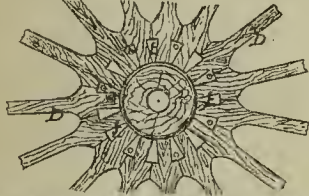
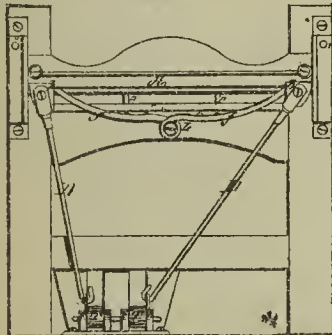
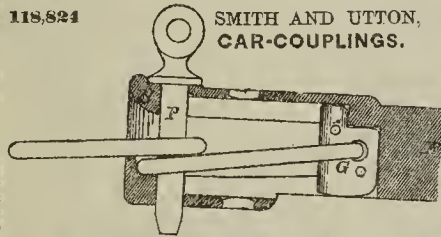
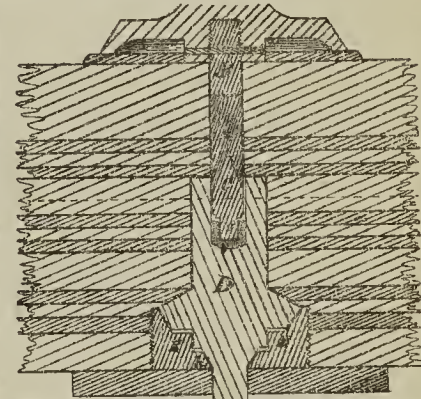
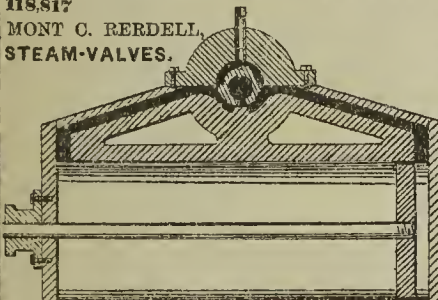
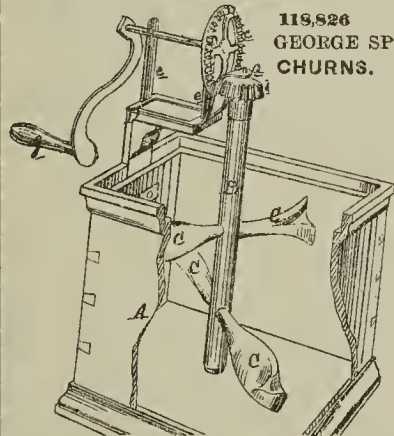
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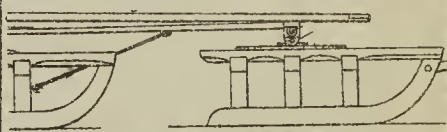
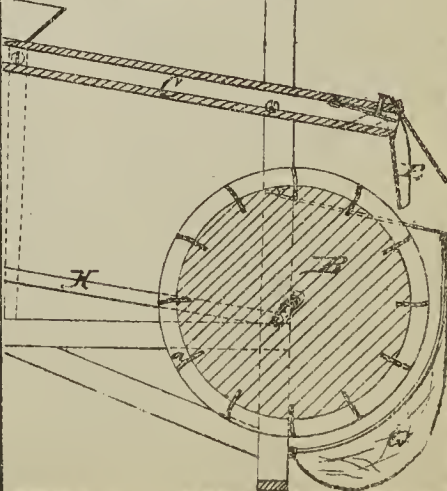
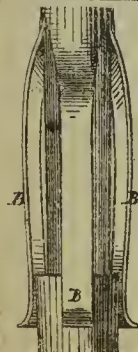
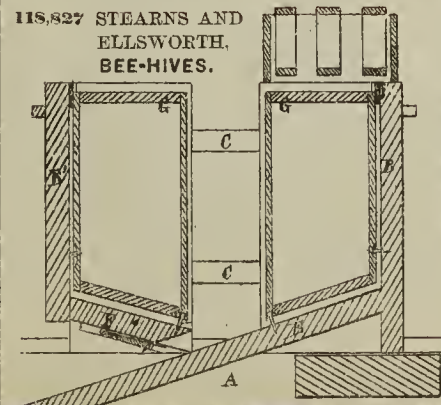
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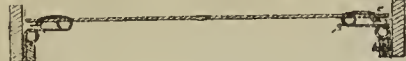
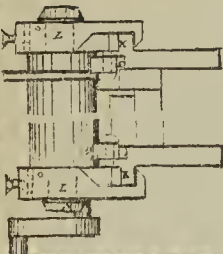
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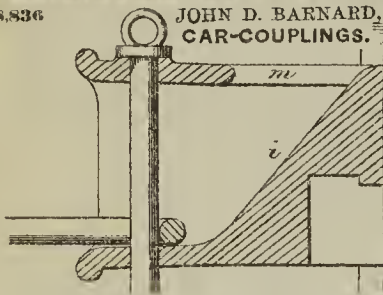
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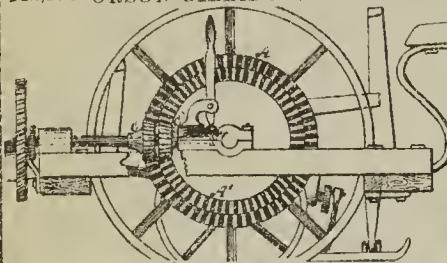
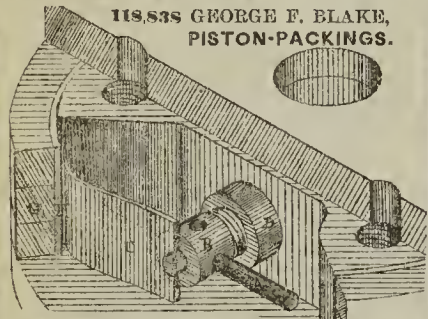
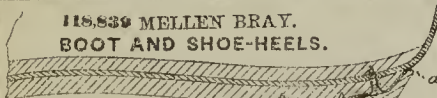
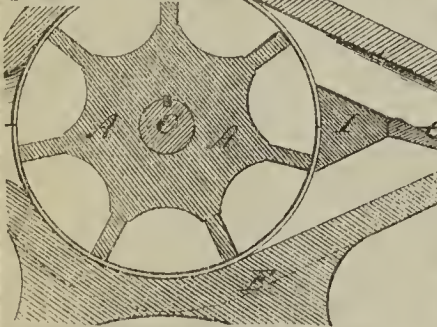
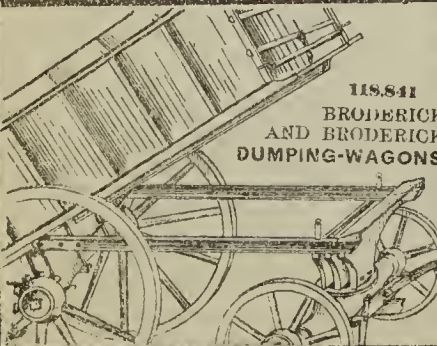
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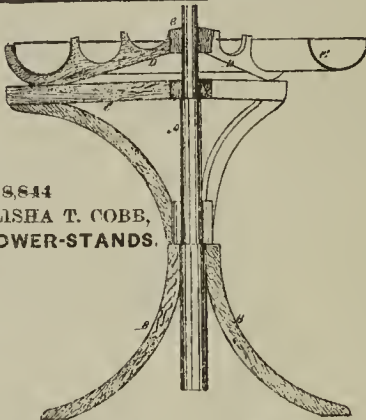
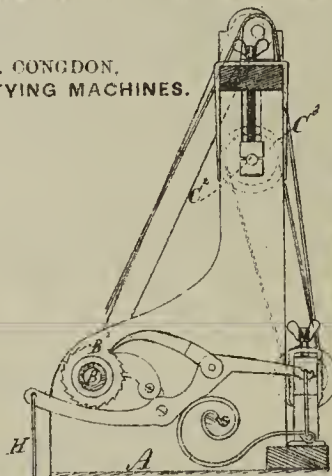
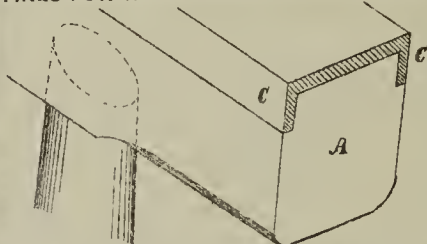
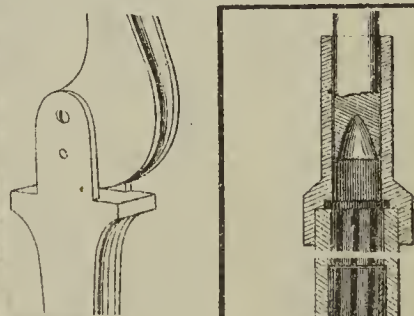
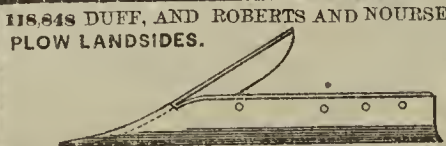
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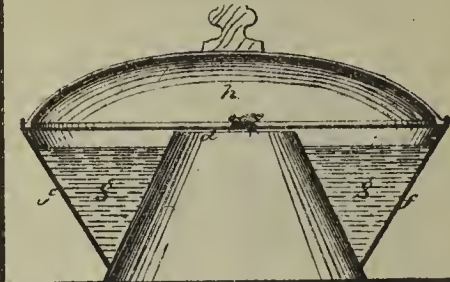
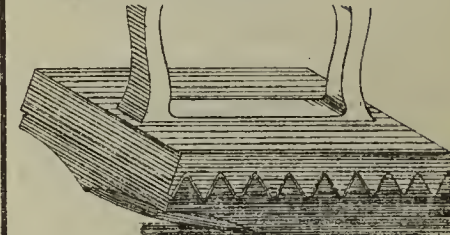
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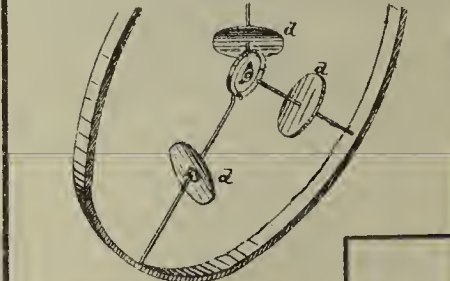
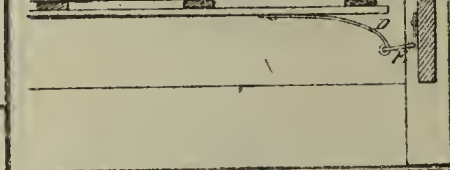
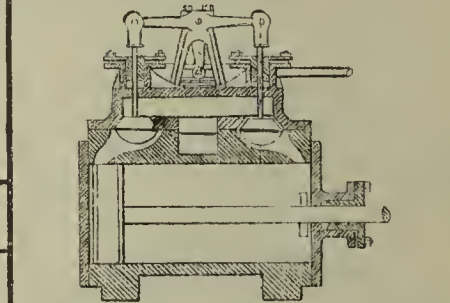
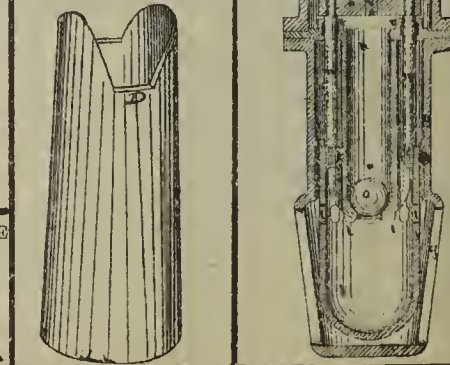
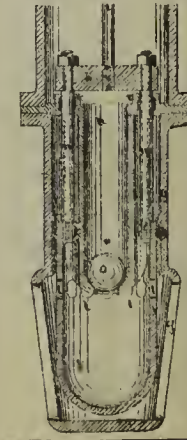
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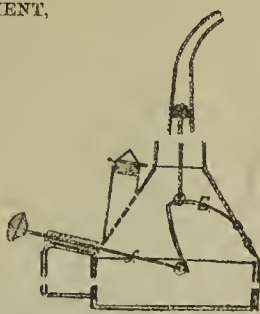
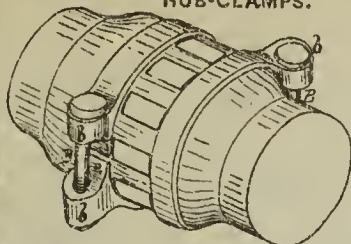
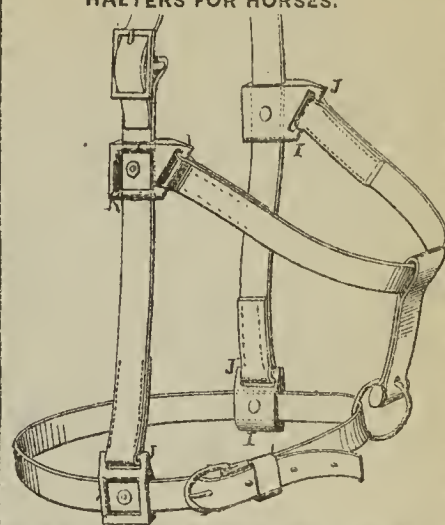
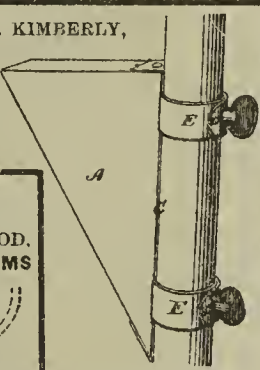
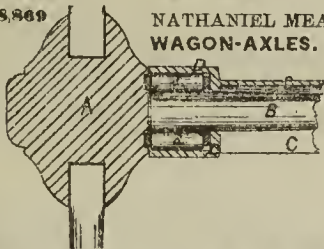
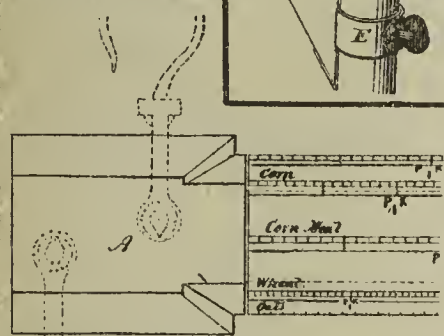
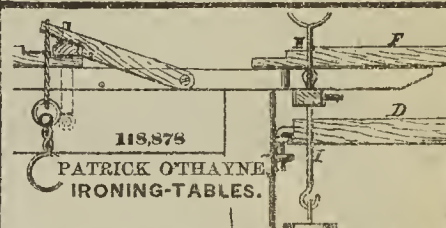
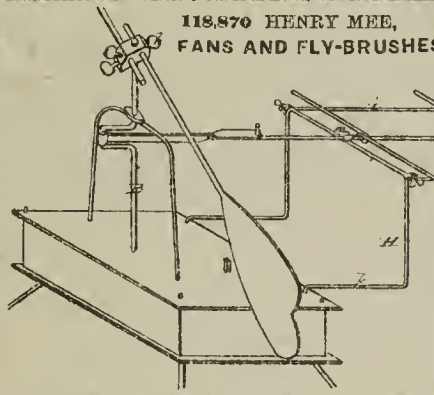
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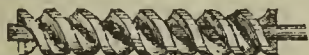
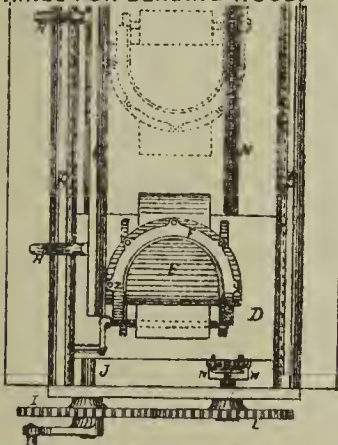
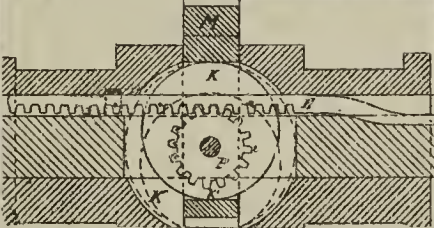
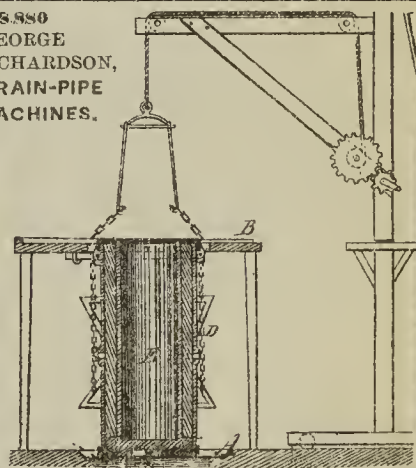
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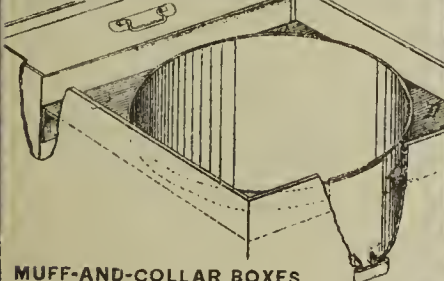
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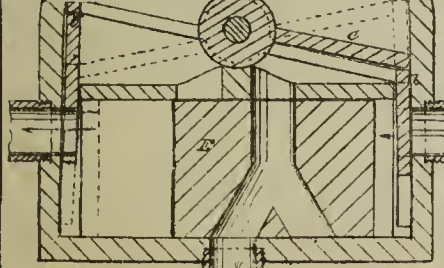
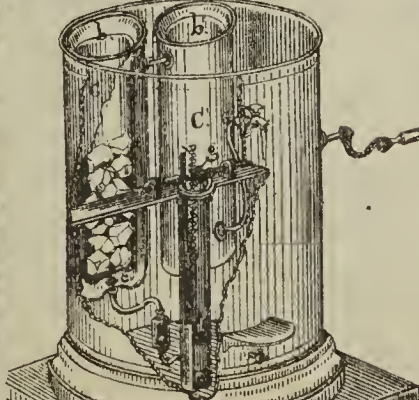
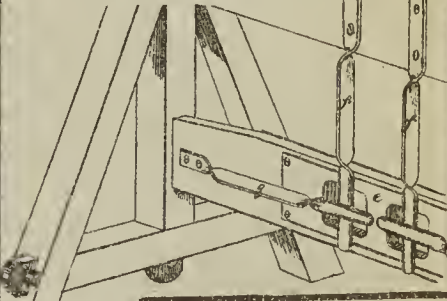
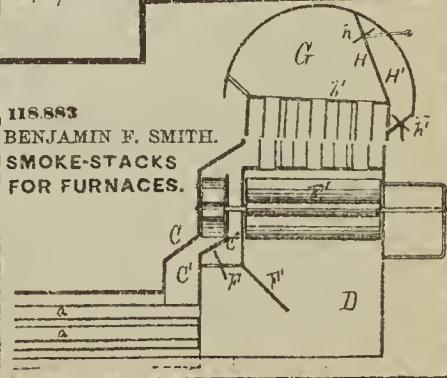
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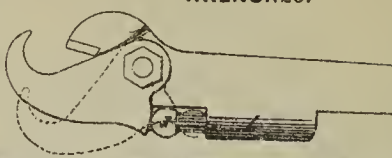
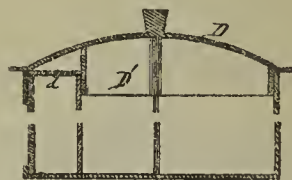
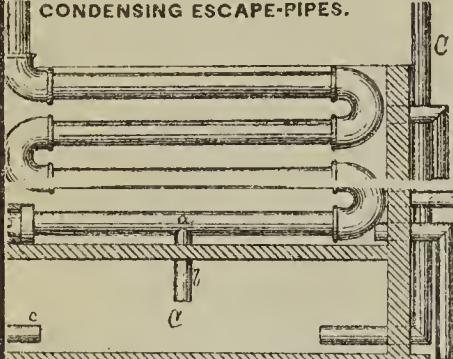
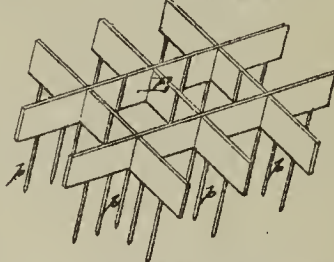
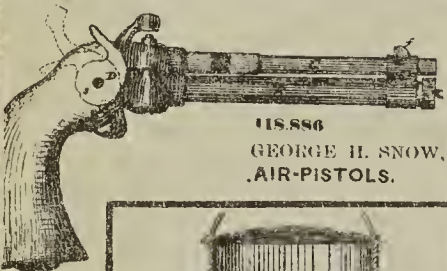
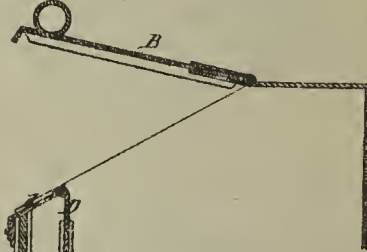
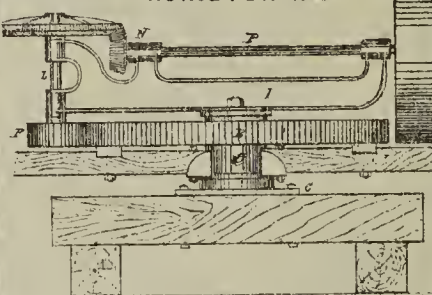
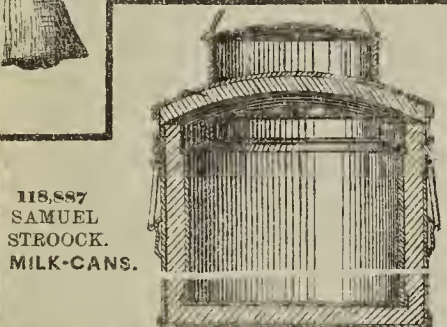
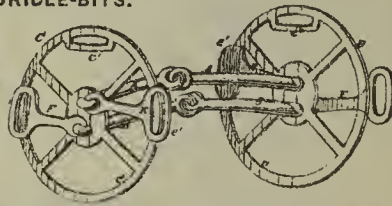
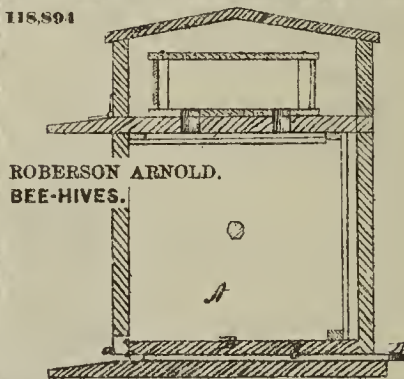
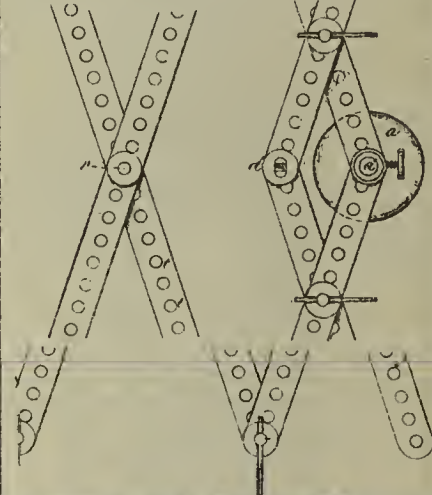
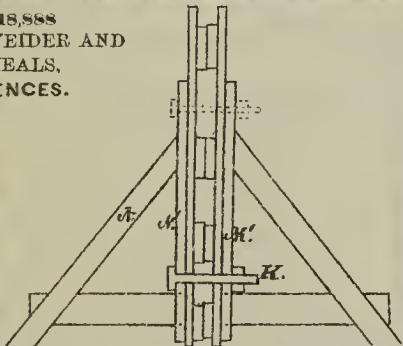
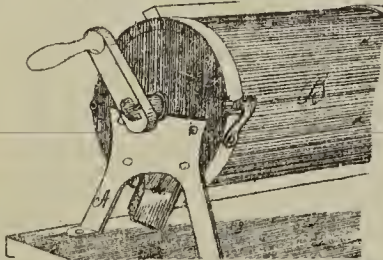
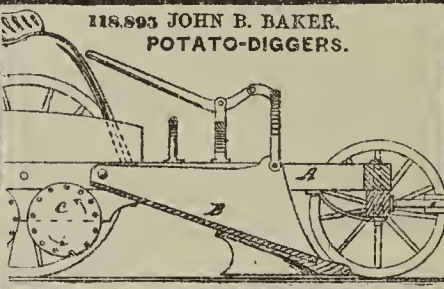
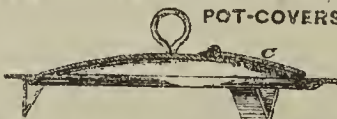
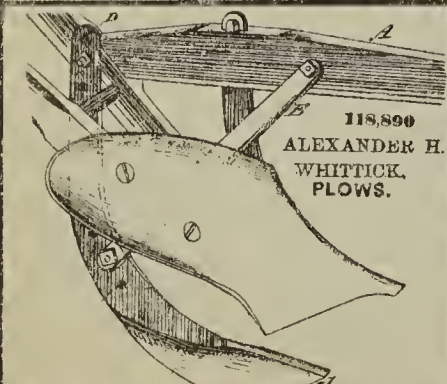
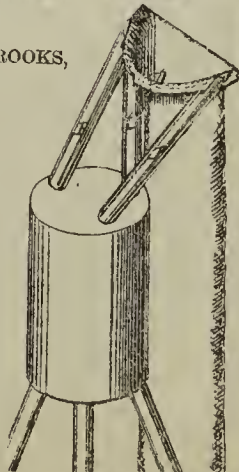
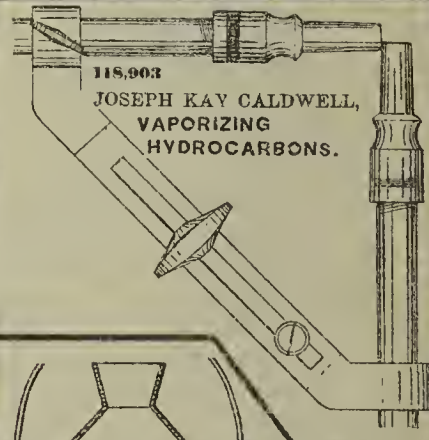
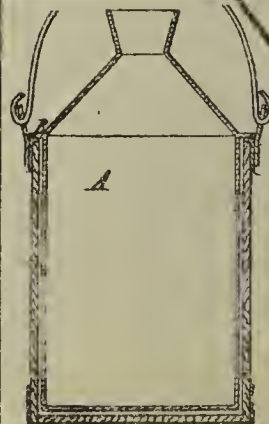
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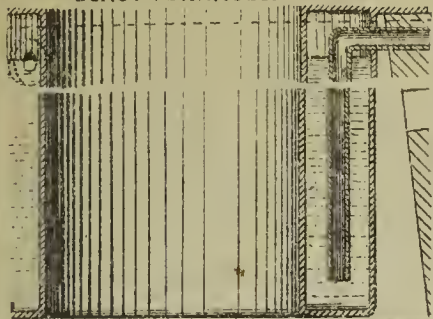
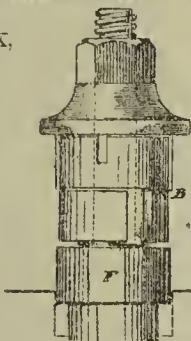
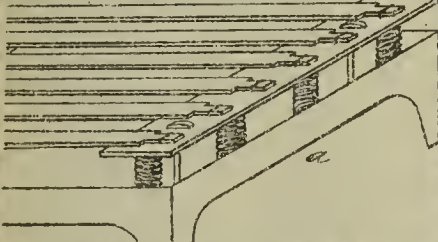
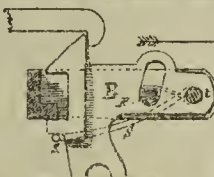
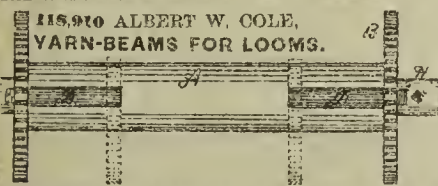
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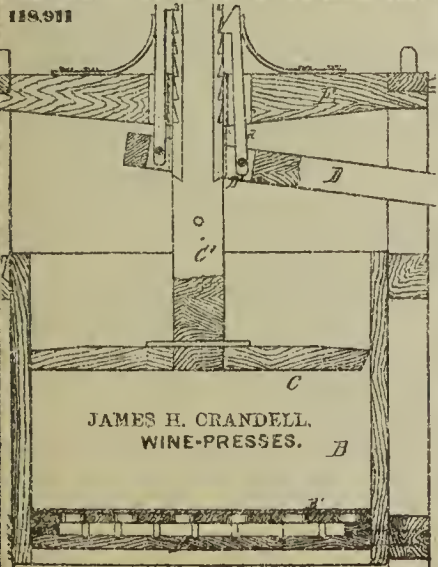
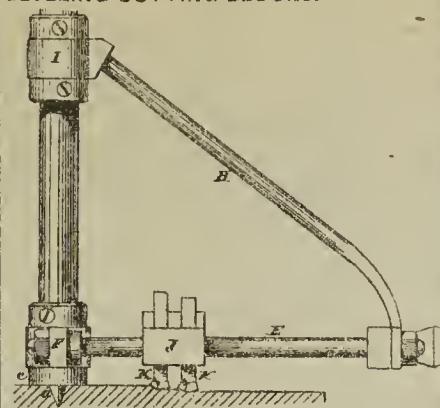
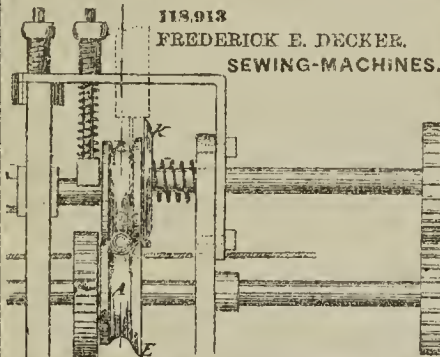
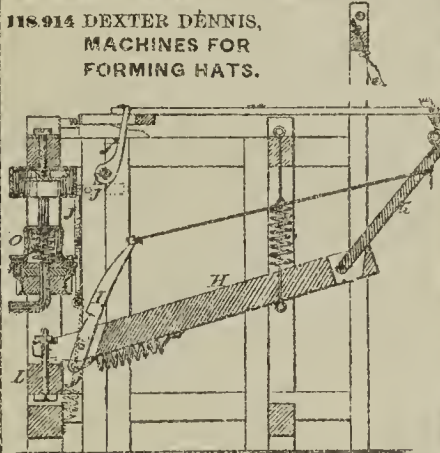
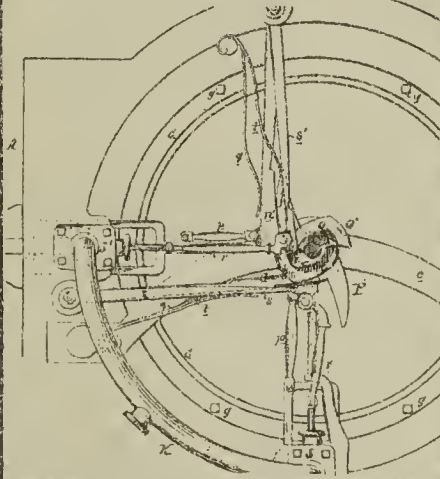
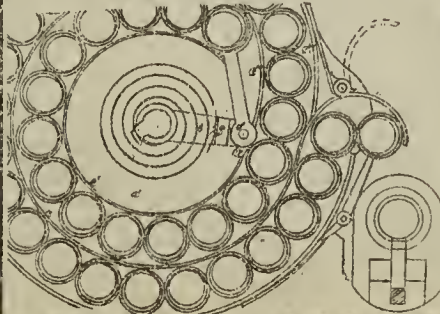
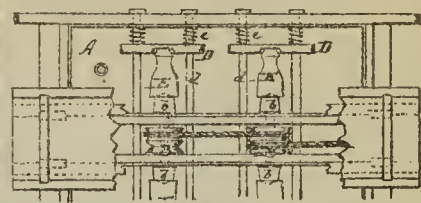
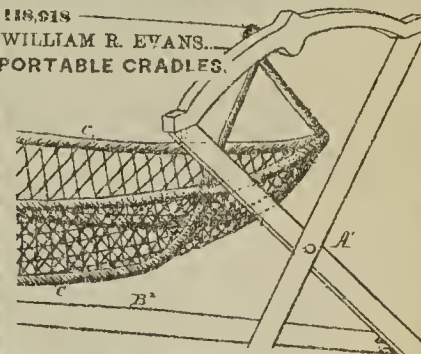
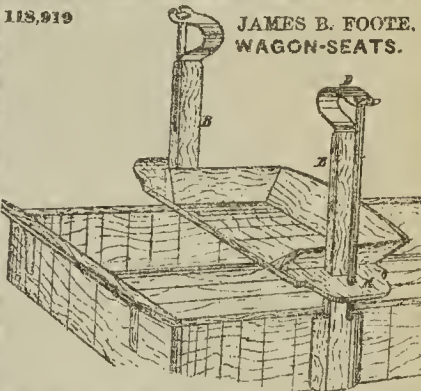
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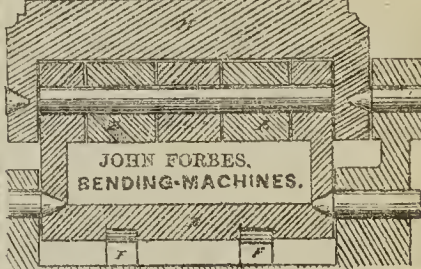
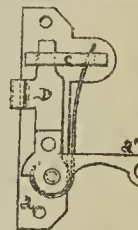
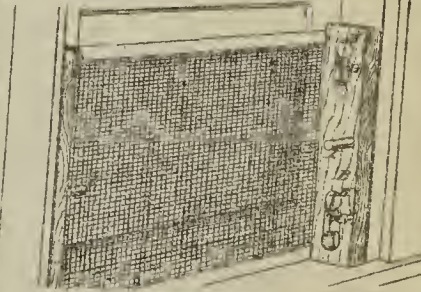
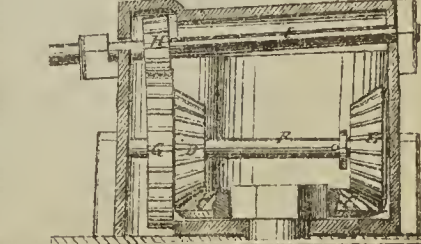
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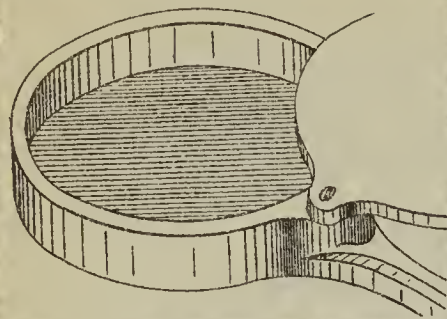
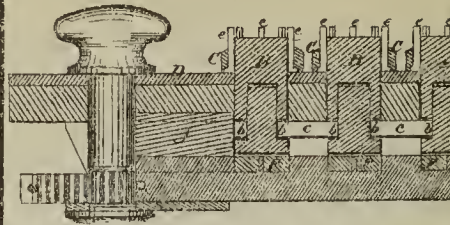
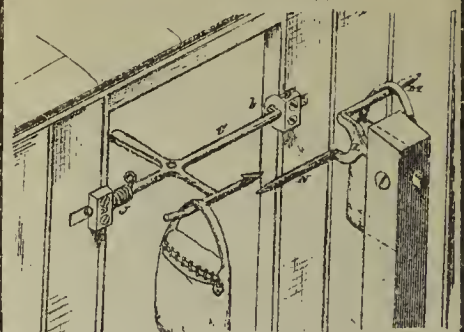
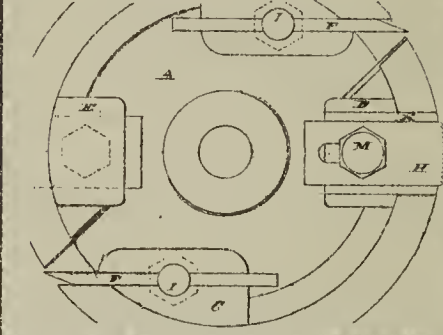
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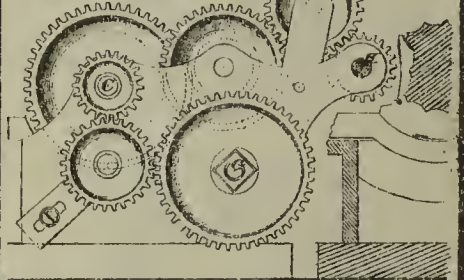
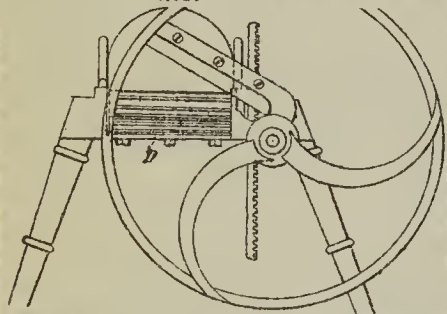
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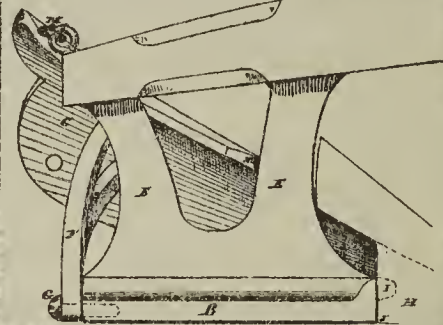
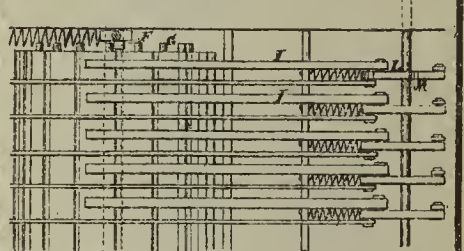
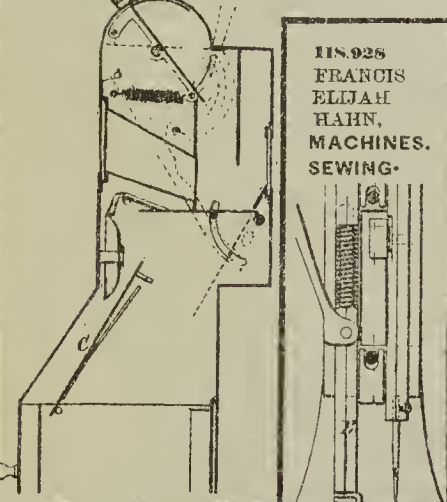
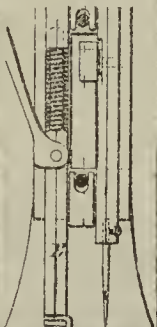
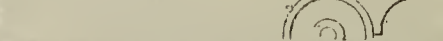
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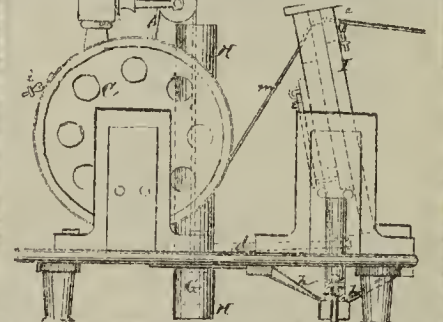
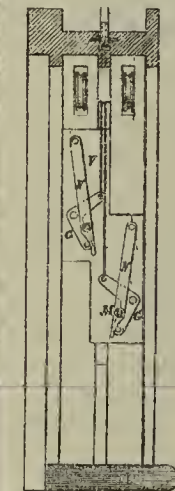
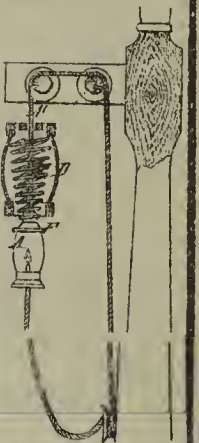
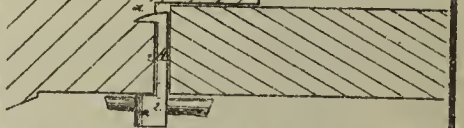
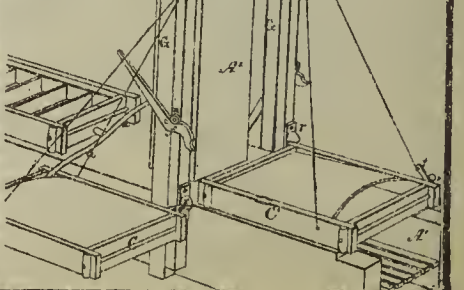
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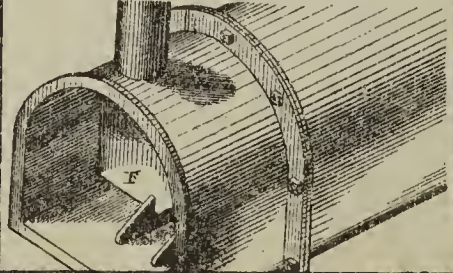
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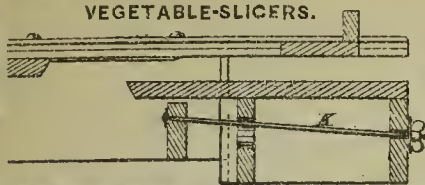
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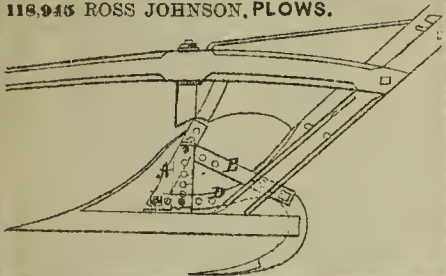
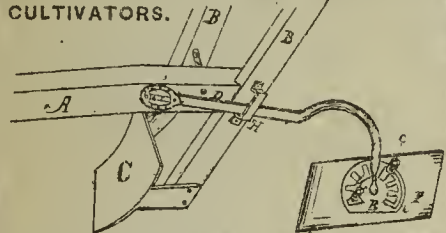
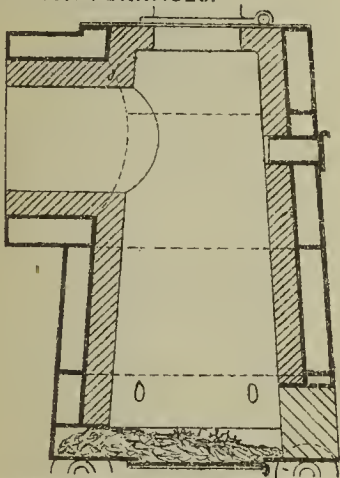
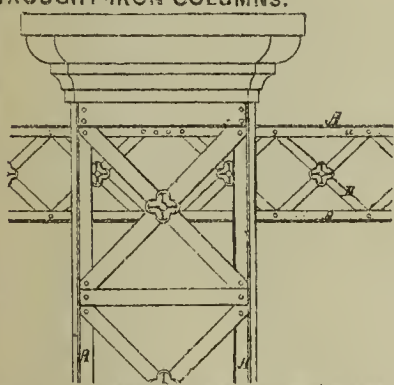
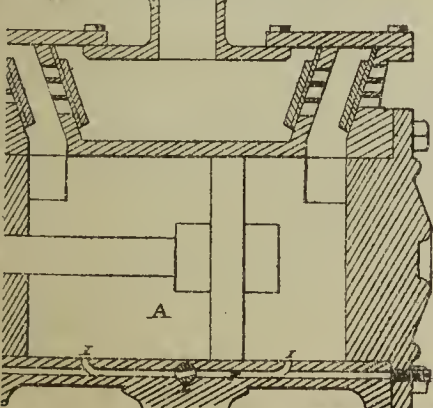
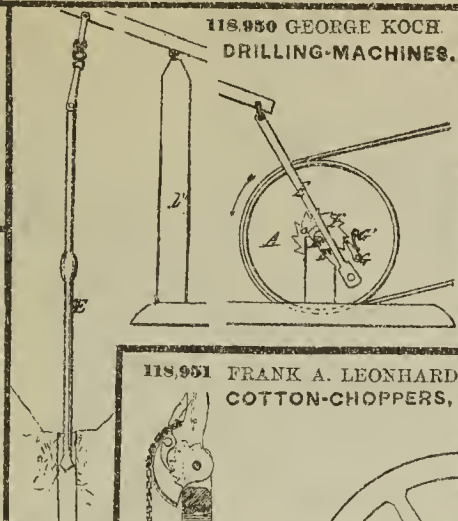
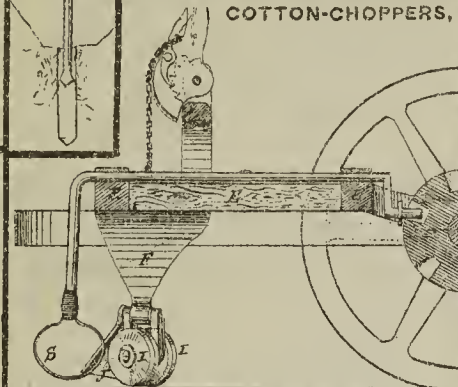
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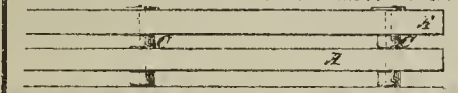
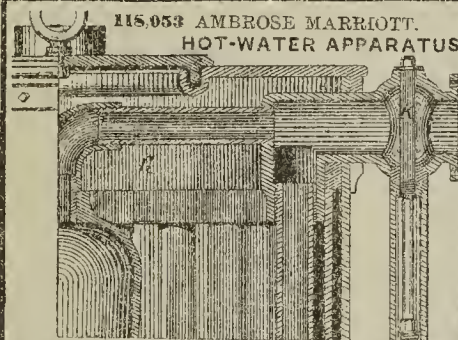
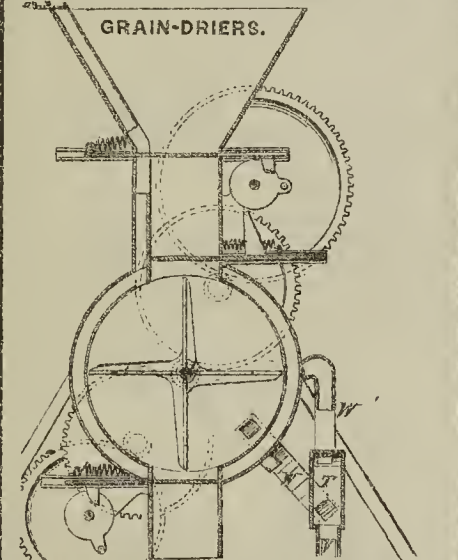
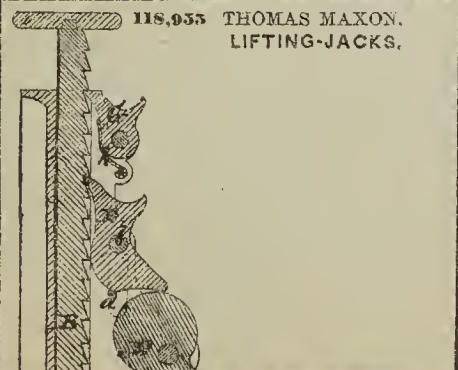
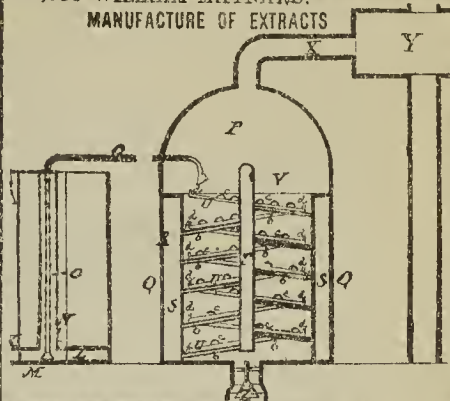
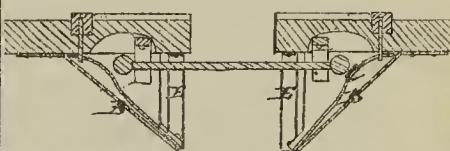
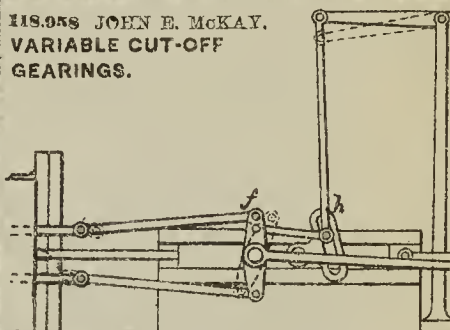
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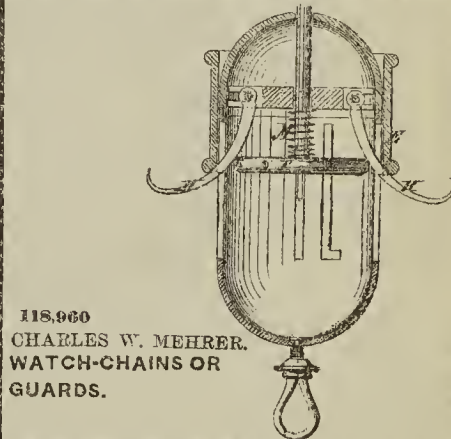
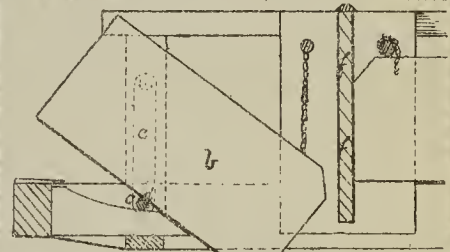
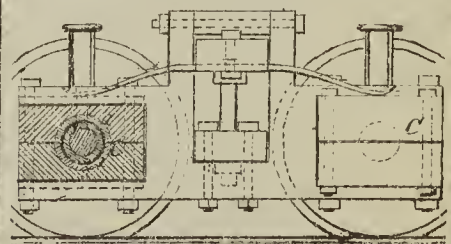
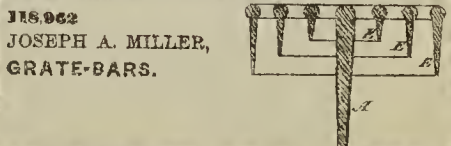
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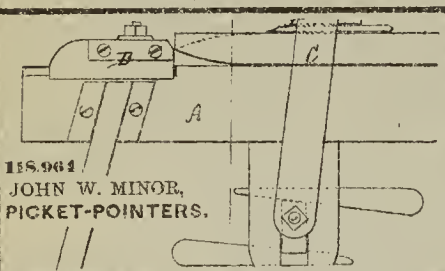
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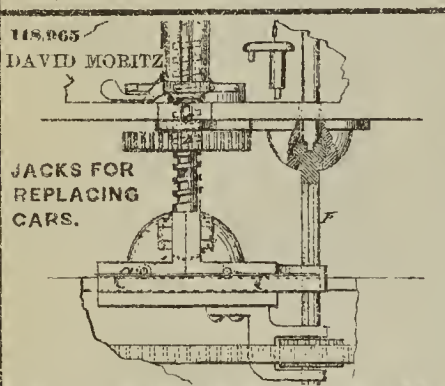
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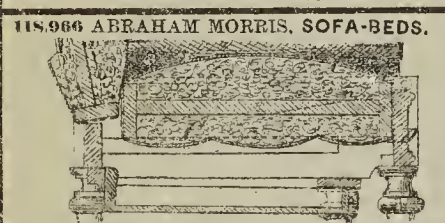
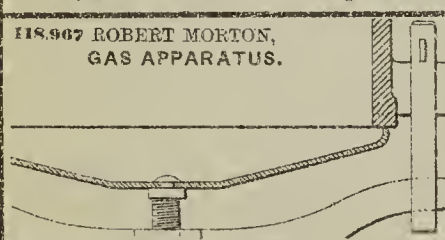
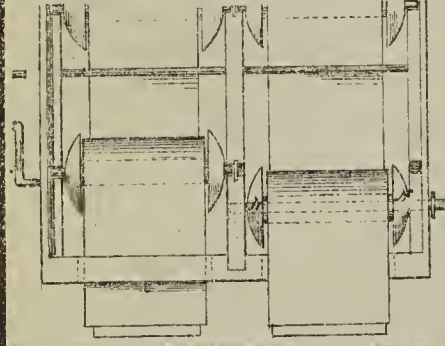
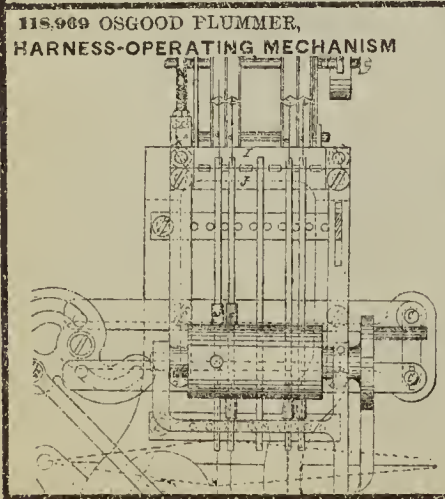
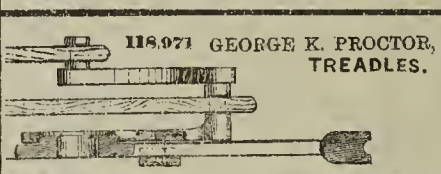
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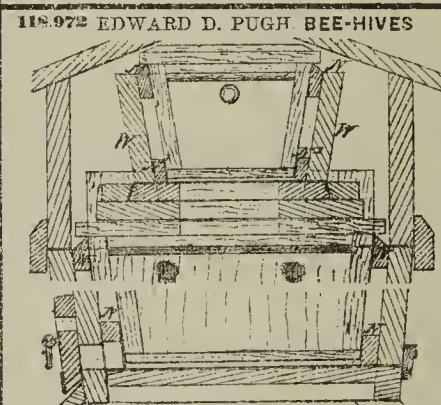
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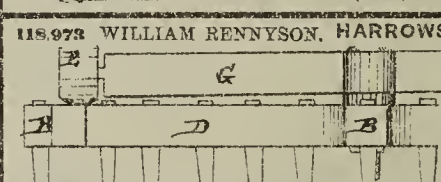
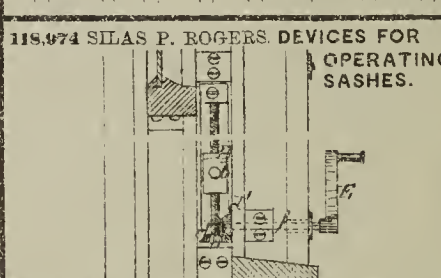
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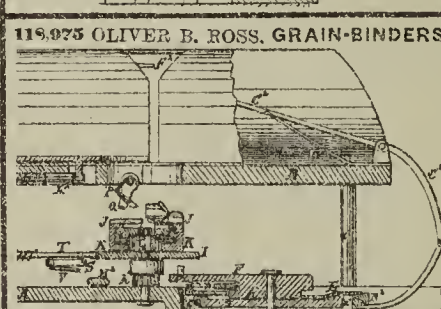
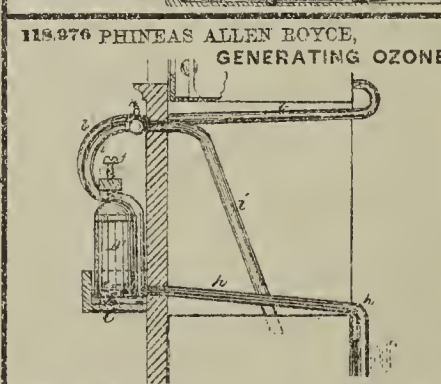
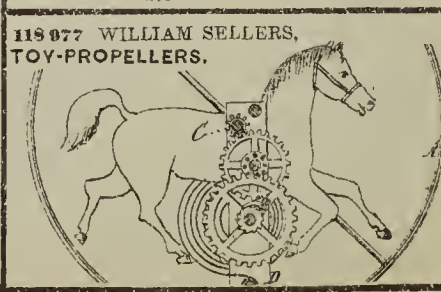
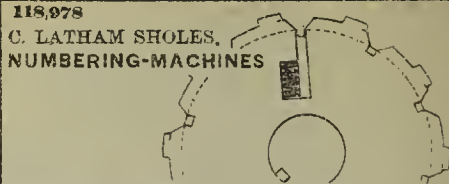
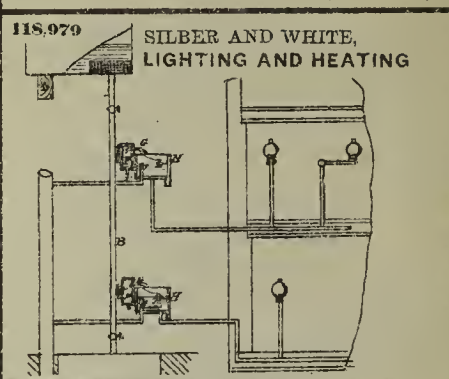
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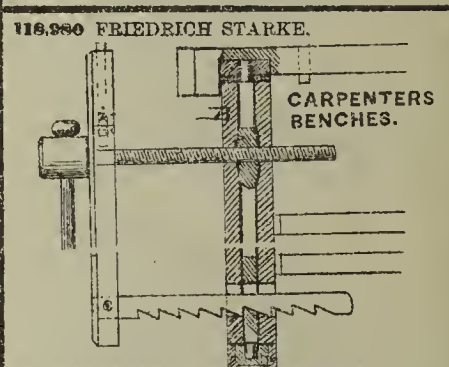
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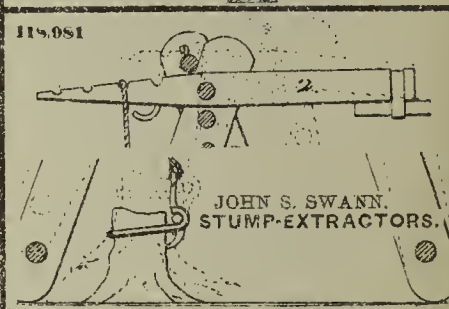
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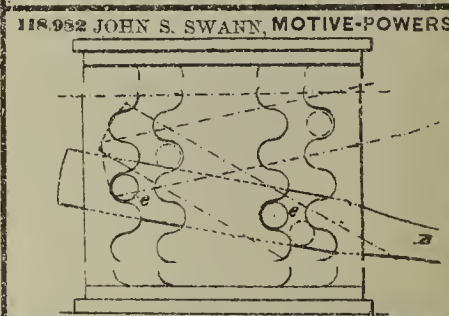
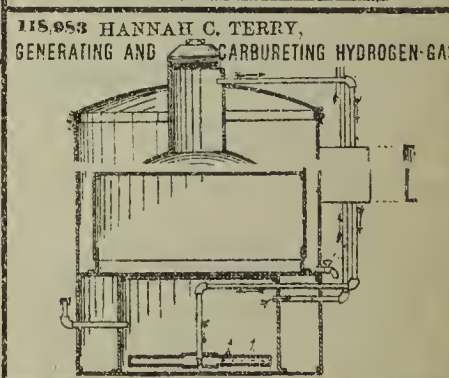
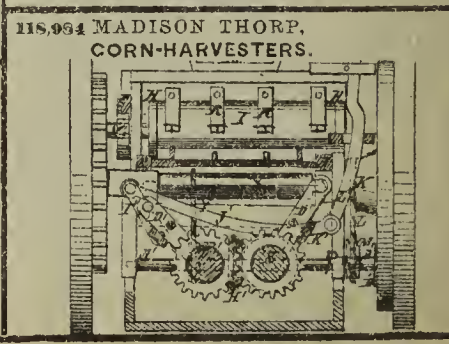
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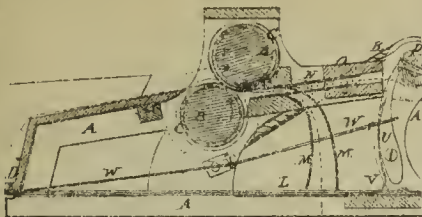
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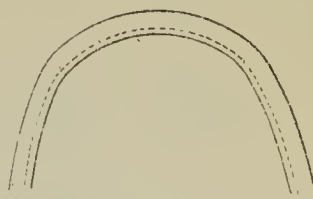
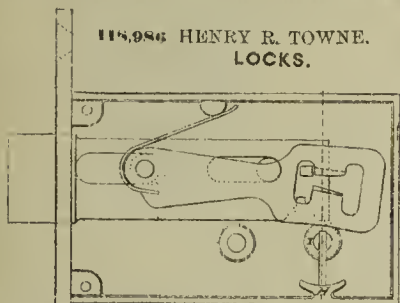
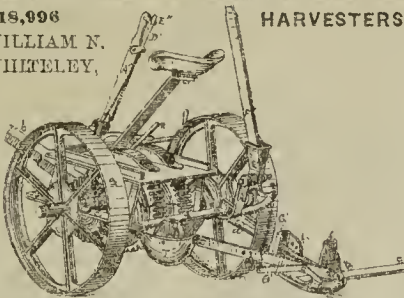
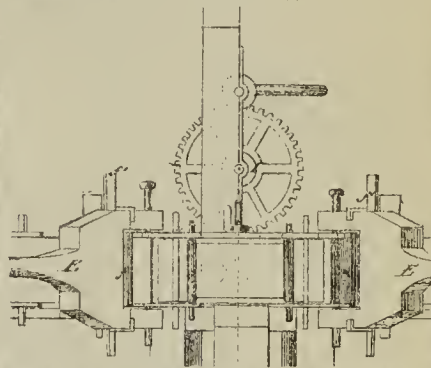
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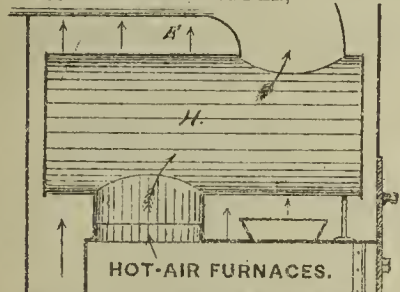
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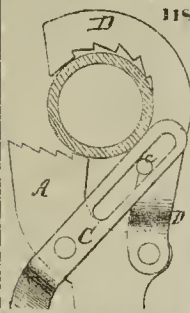
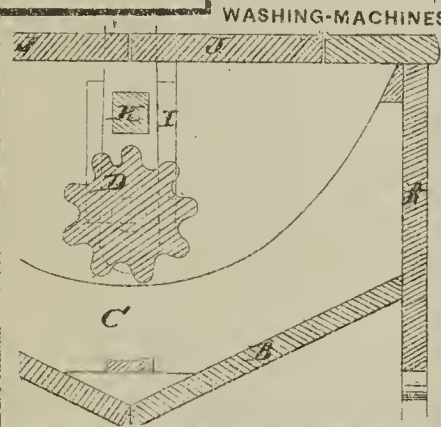
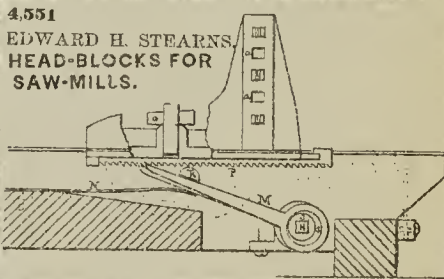
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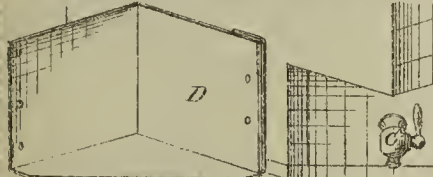
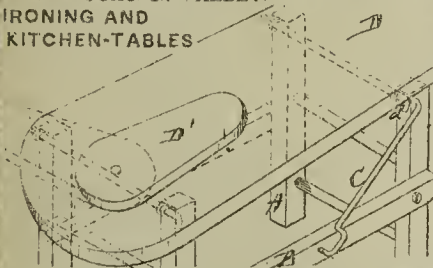
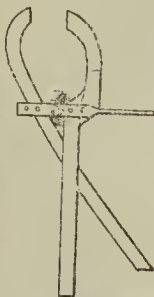
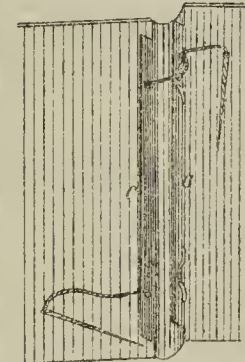
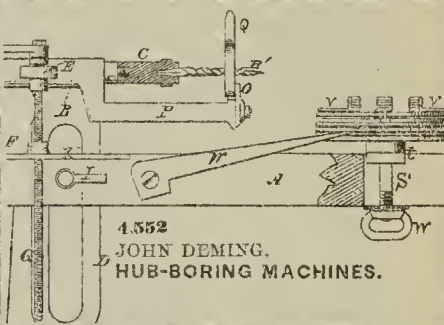
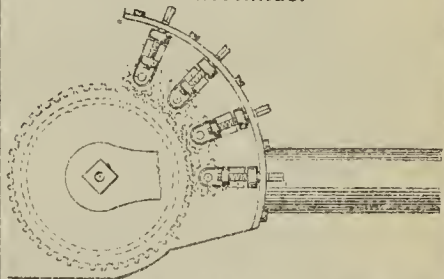
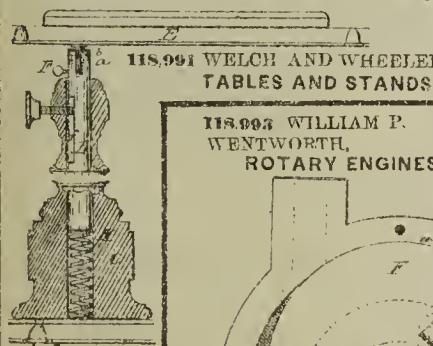
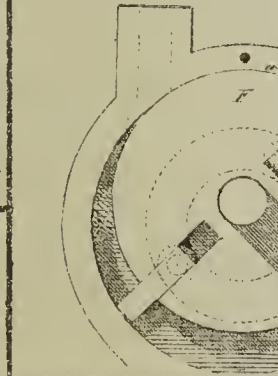
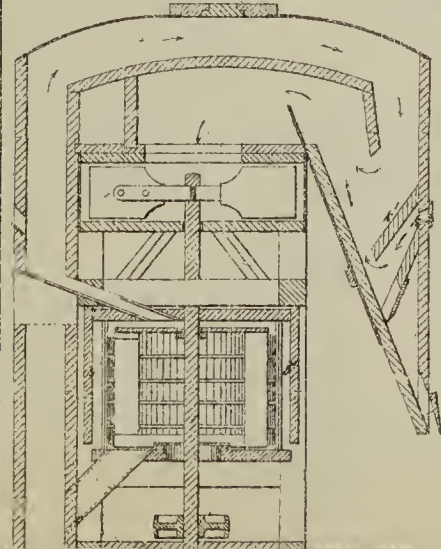
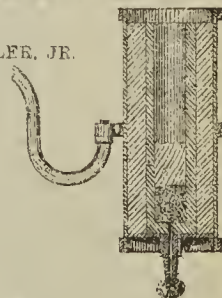
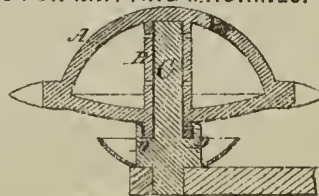
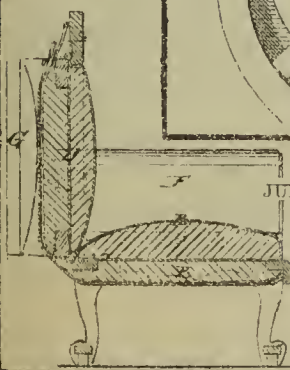
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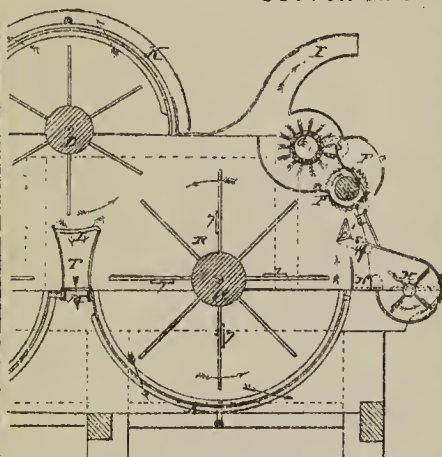
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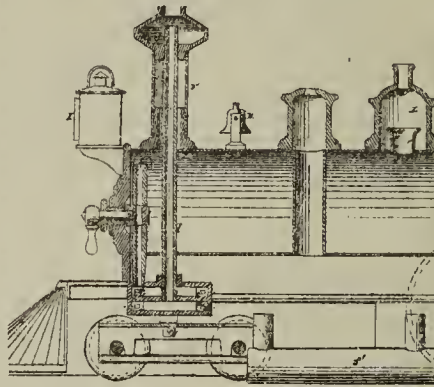
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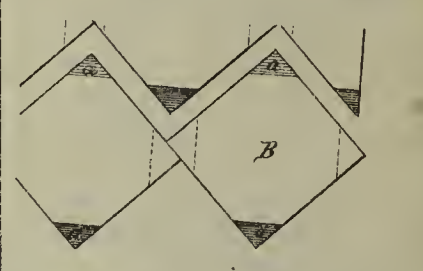
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EUGENE BEGGS,
TOY-LOCOMOTIVES AND TRACKS.



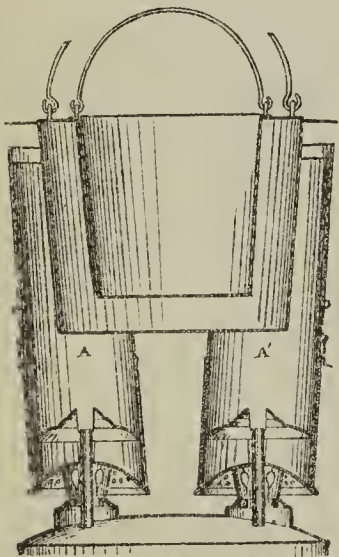
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CLOSSON P. BURGESS,
WOOD PAVEMENTS.



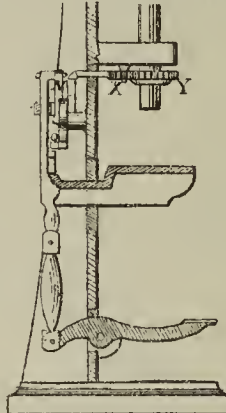
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JOHN I. BARINGER, GLUE-POTS.



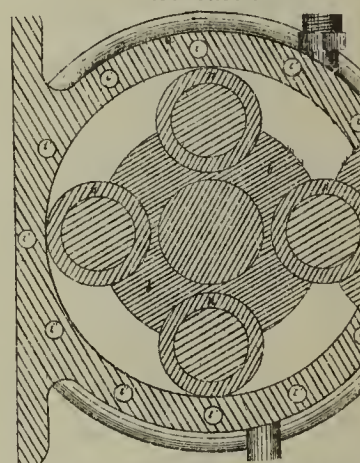
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HENRY BICKFORD,
MORTISING-MACHINES.



119,011

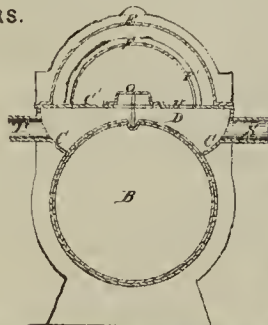
LUKE CHAPMAN,
ROTARY PUMPS.



119,003

119,004

HENRY M. BARTLETT,
WATER-METERS.



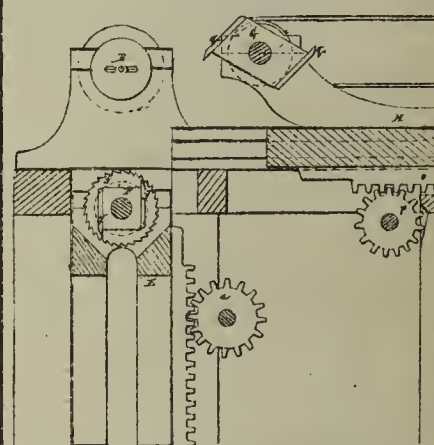
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BISHOP AND SMITH,
FIRE-ESCAPES.



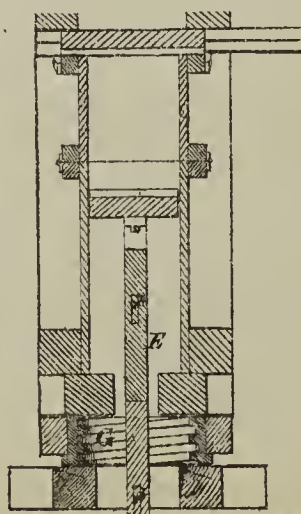
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HILLY CHAVONS,
LATHES.



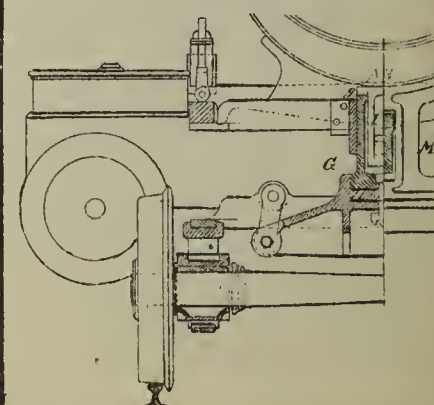
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GEORGE BRODIE,
BALING-PRESSES.

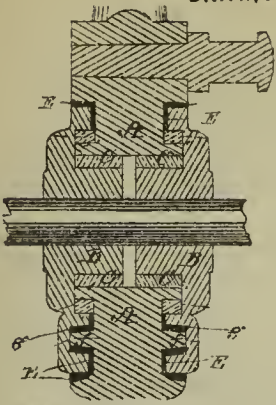


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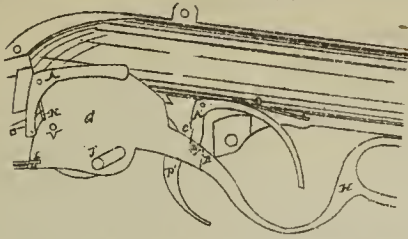
JOHN COOKE,
LOCOMOTIVES.



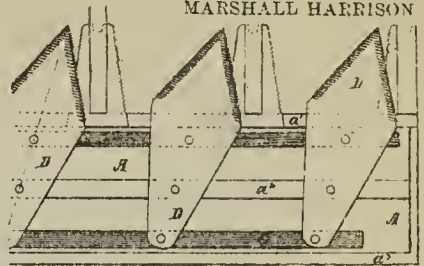
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ALMOND F. COOPER,
DRIVING-WHEELS.

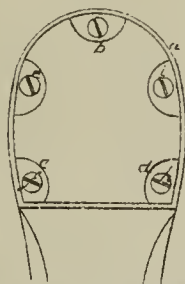
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WARREN R. EVANS,
GUN-LOCKS.

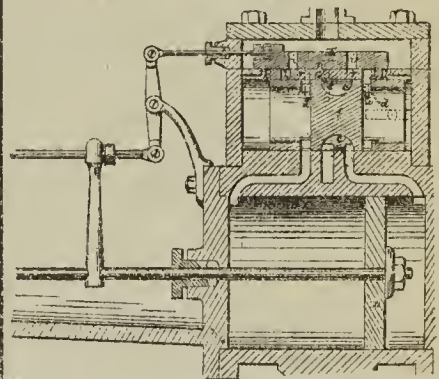
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CUTTING APPARATUS
MARSHALL HARRISON

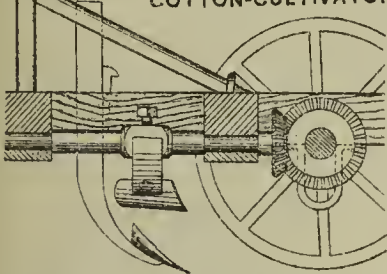
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GEORGE F. FLING,
BOOT AND SHOE-HEELS.

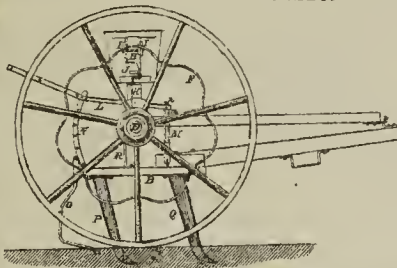
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JOSEPH W. HOPKINS,
VALVES FOR STEAM-PUMPS, &c.

119,015

THOMAS DALE,
COTTON-CULTIVATORS.

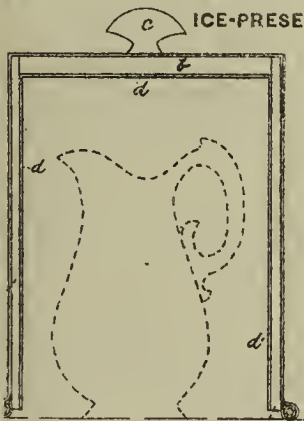
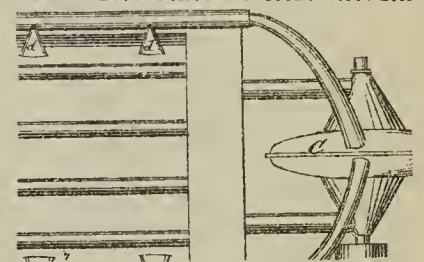
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JOHN P. FLOOM,
GRAIN-DRILLS.

119,023

JOHN P. FLOOM,
GRAIN-DRILLS.

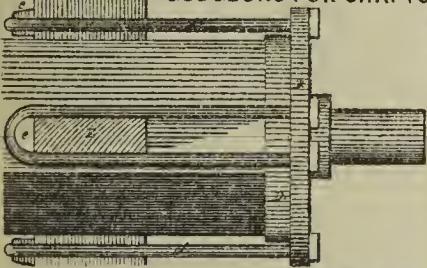
119,016

JAMES DUNNING,
ICE-PRESERVERS.JAMES L. HUMPHREY,
119,031 EVAPORATING SALT WATER.

119,032

DANIEL HUSSEY,
SPINDLES FOR SPINNING-MACHINES.

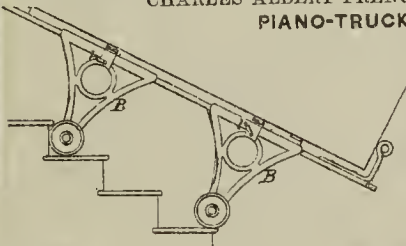
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WILLIAM W. EASTMAN,
GUDGEONS FOR SHAFTS.

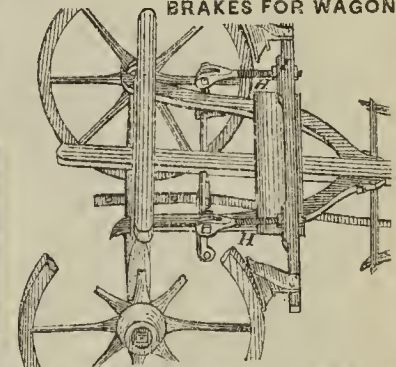
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ALVIN FRANKLIN,
SAP-BUCKET HOLDERS.

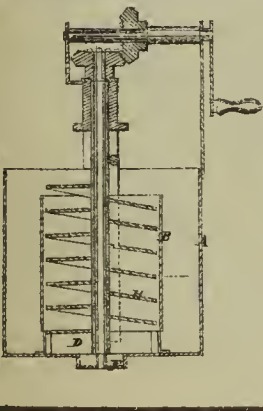
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CHARLES ALBERT FRENCH,
PIANO-TRUCKS.

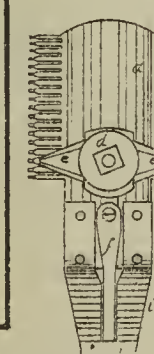
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FRANCIS M. KELLEY,
BRAKES FOR WAGONS.

119,018

CHARLES ELLING,
MACHINES FOR MIXING SOAP.

119,019

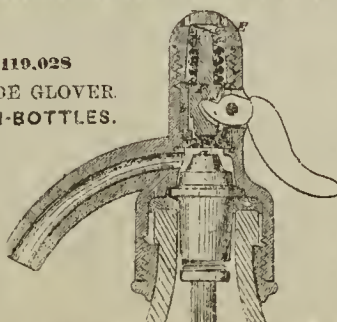
GEORGE F. EVANS,
CLIPPING-SHEARS.

119,026

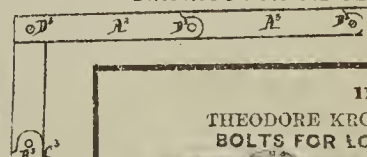
JOHN G. GARRETSON, WATER-WHEELS.



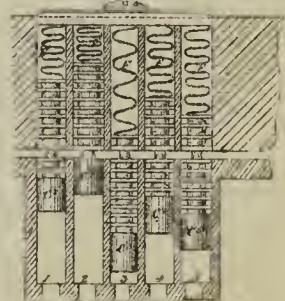
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CLAUDE GLOVER,
SIPHON-BOTTLES.

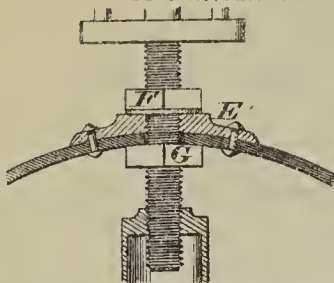
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DANIEL M. KNOWLES,
BINDINGS FOR OIL-CLOTHS,

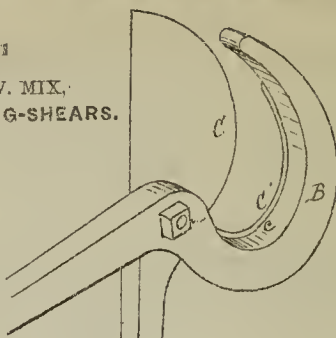
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THEODORE KROMER,
BOLTS FOR LOCKS.

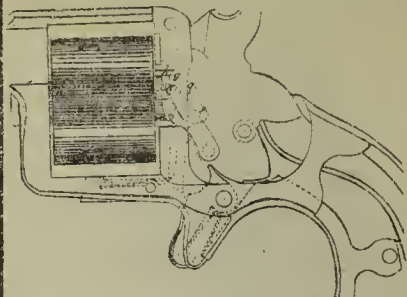
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LEISTNER KAYSER,
LOW-WATER ALARMS.

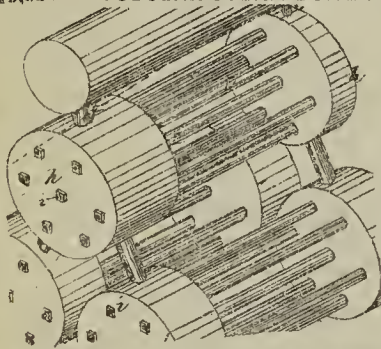
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JOHN W. MIX,
PRUNING-SHEARS.

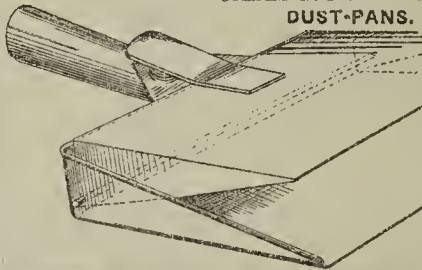
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CHARLES B. RICHARDS,
REVOLVING FIRE-ARMS.

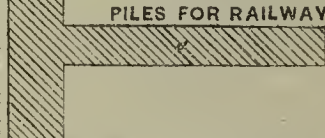
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JAMES A. MAYNARD,
TUBULAR STEAM-BOILERS.

119,042

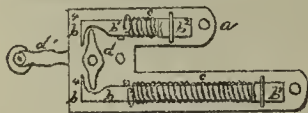
JAMES B. MORGAN,
DUST-PANS.

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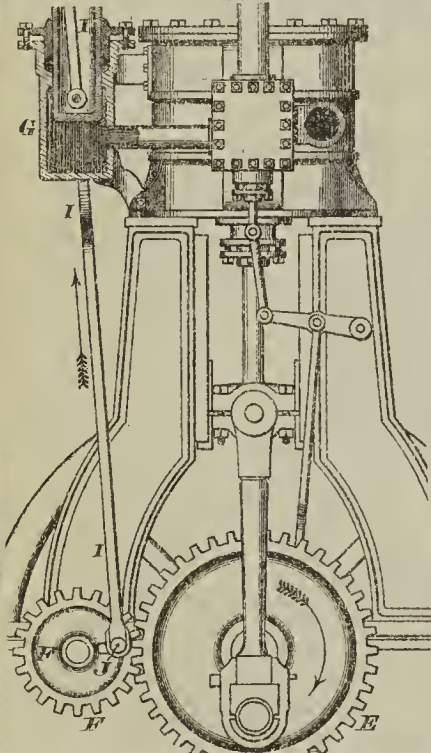
RICHARDSON, RICHARDSON, AND SPENCER
PILES FOR RAILWAY RAILS.

119,050

JAMES F. RICKEL, SASH-HOLDERS.



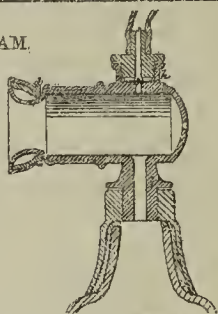
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McGOWAN AND CALDWELL,
STEAM-ENGINES.

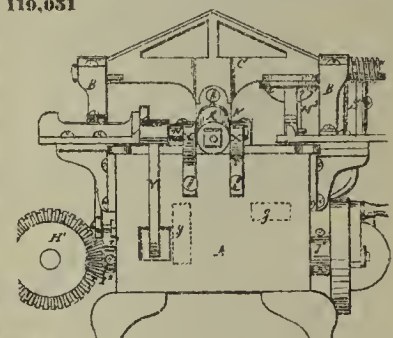
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LIGHTNING-RODS. DAVID MUNSON,

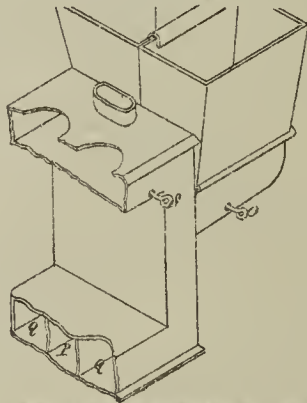
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ORWELL H. NEEDHAM,
BREAST-PUMPS

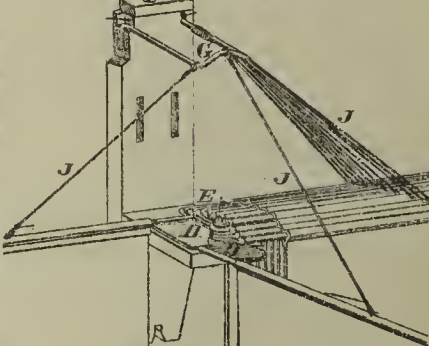
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WEBSTER ROBERTS,
MAKING HORSESHOES.

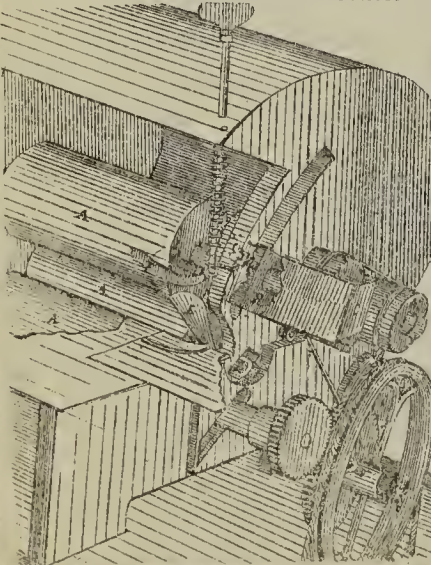
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DANIEL ELDON PARIS,
COOKING-STOVES.

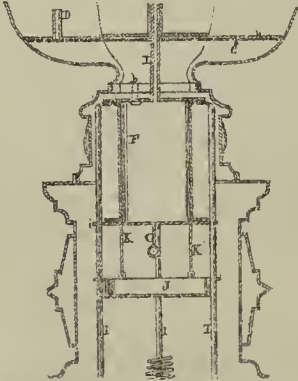
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DANIEL SHEYOCK,
CHART-HOLDERS.

119,040

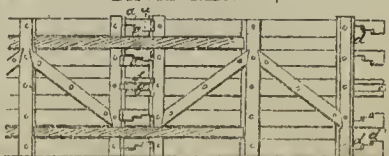
MARTIN V. MCKINNEY,
MACHINES FOR MAKING CIGARS.

119,046

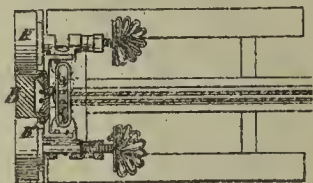
FOUNTAINS.
POLYBLANK AND PARKIN.

119,047

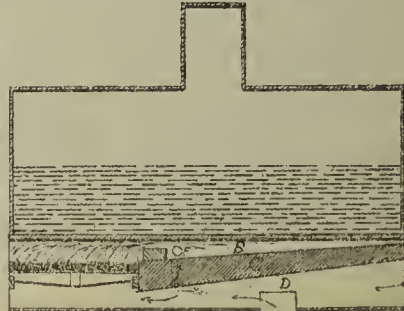
DAVID RHODES, FENCES.



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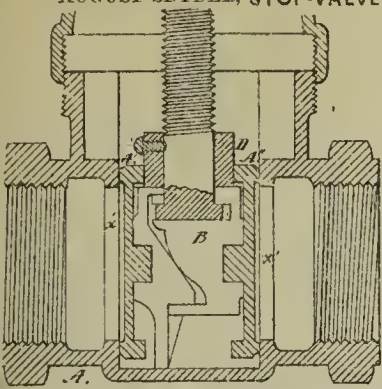
GEORGE SMEATON,
WINDOW-CLEANERS.

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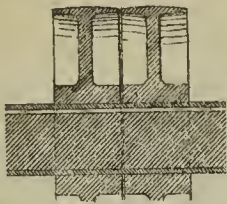
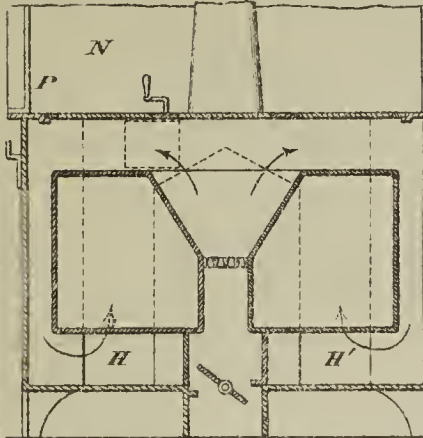
CHARLES D. SMITH,
FURNACES FOR STEAM-BOILERS.

119,057

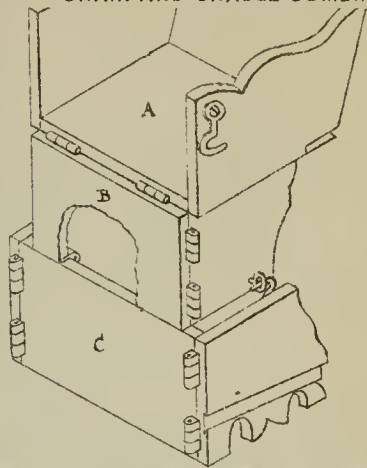
AUGUST SNYDER, STOP-VALVES.



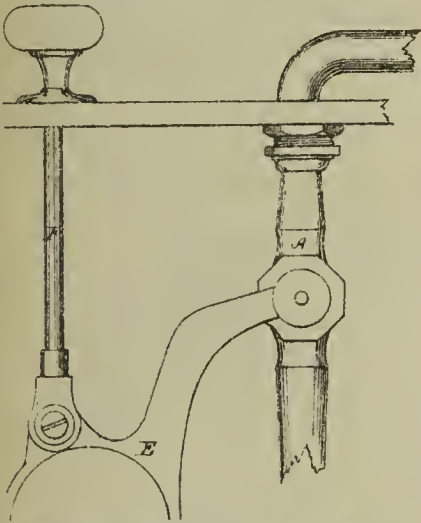
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STEPHEN USTICK,
LUBRICATING LOOSE PULLEYSJOHN VAN,
119,066 PORTABLE COOKING-RANGES.

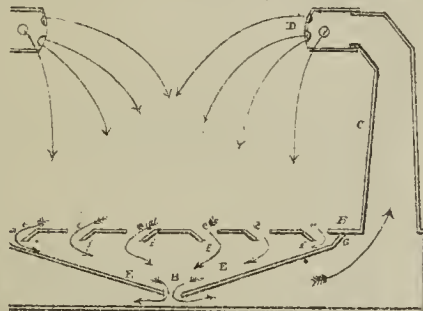
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ABRAHAM ABRAHAMS,
CHAIR AND CRADLE COMBINED.

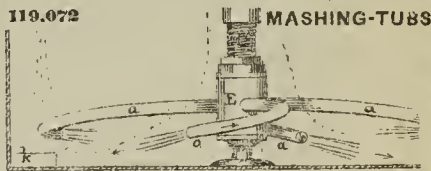
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BENNETT P. SPEAR,
OPERATING WATER-CLOSET COCKS.

119,067

WEIDLEY AND WEIDLEY,
WASH-BOILERS.

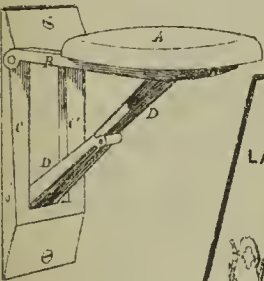
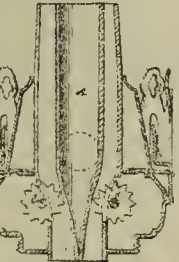
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JOHN CHARLES BIRKET,
MASHING-TUBS.

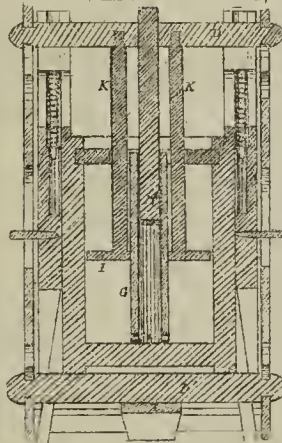
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ABRAM BOGARDUS,
HATS.

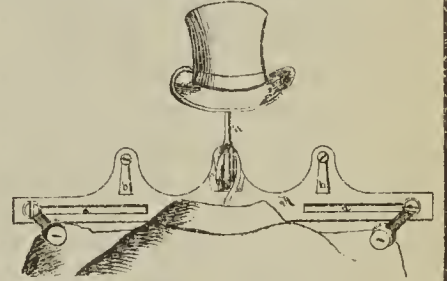
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JAMES M. SWAIN,
FOLDING-SEATS.119,061
ALVIN TAPLIN,
LAMP-BURNERS.

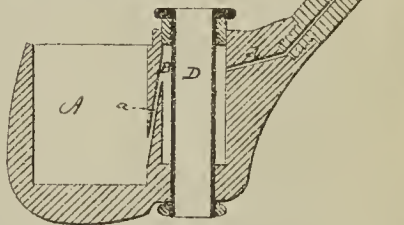
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YOUNG, AND WILLIAMS,
CHURNS.

119,074

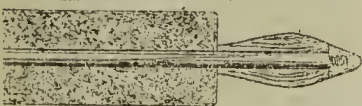
JOSEPH P. BUCKINGHAM,
PORTABLE WARDROBES.

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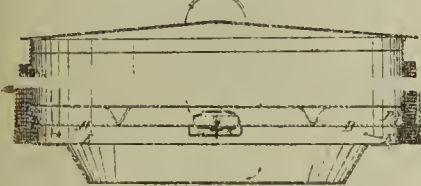
THEODORE BURNHAM,
TOBACCO-PIPES.

119,062

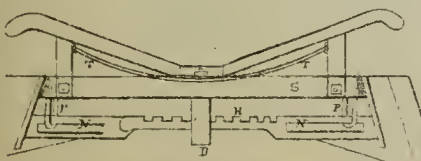
WILLIAM THOMAS, ROLLING-PINS.



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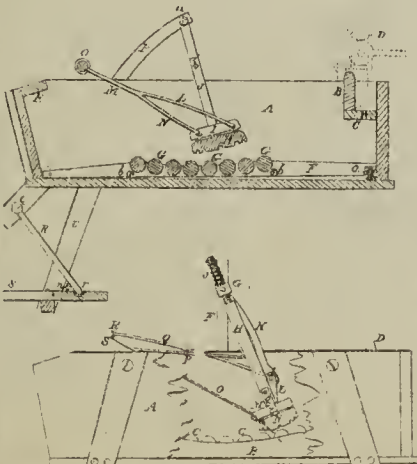
JOSEPH C. TILTON,
WASH-BOILERS.

119,064

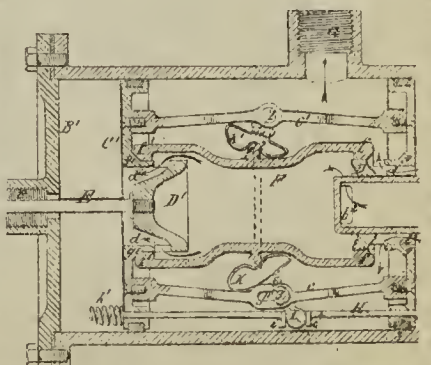
MACHINES FOR GRADING
GEORGE TRUMP.

119,069

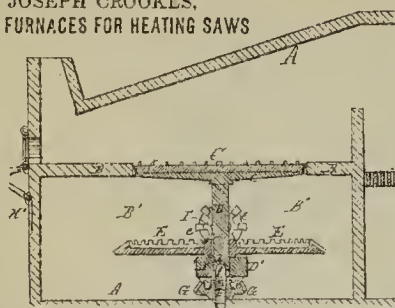
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YOUNG AND DOLL,
WASHING-MACHINES.

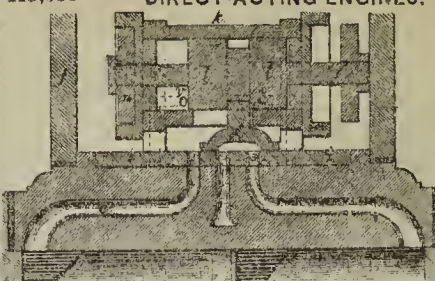
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HENRY CHANDLER,
LIQUID-METERS.

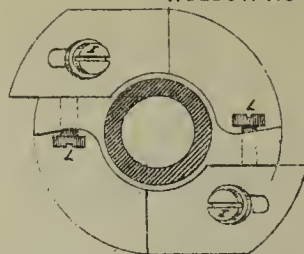
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JOSEPH CROOKES,
FURNACES FOR HEATING SAWS

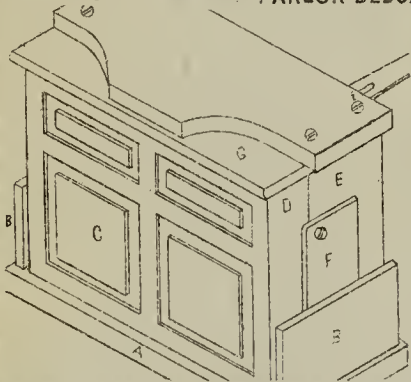
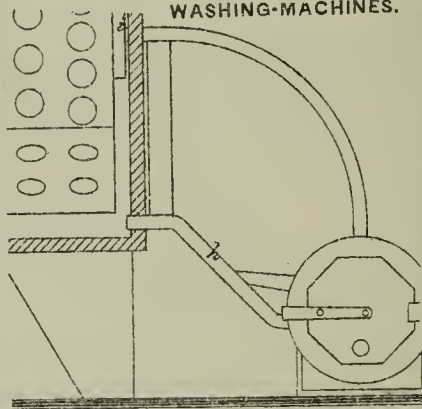
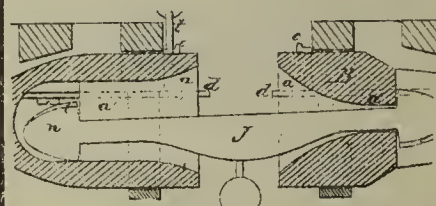
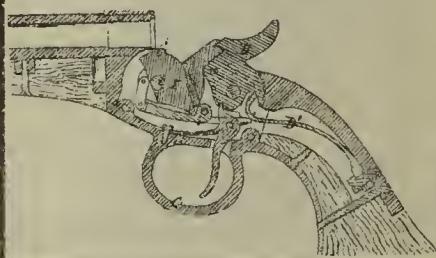
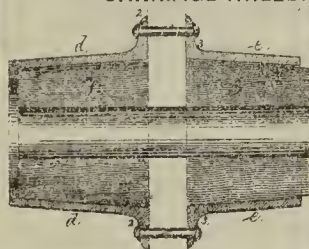
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BRADBURY M. JOHNSON,
DIRECT-ACTING ENGINES.

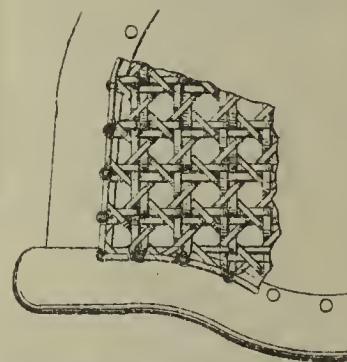
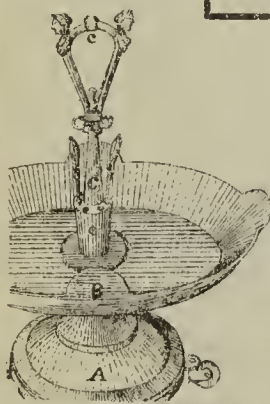
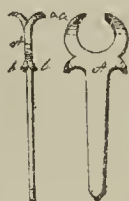
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JAMES SWAN,
HOLLOW AUGERS.

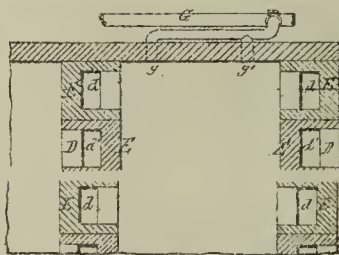
119,079 MARK CROSBY, PARLOR-BEDS.

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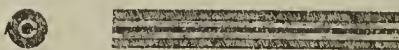
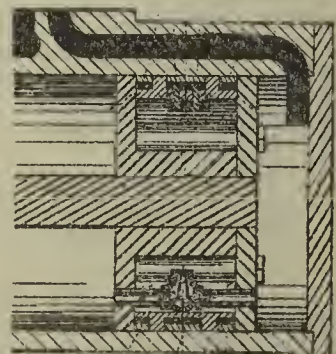
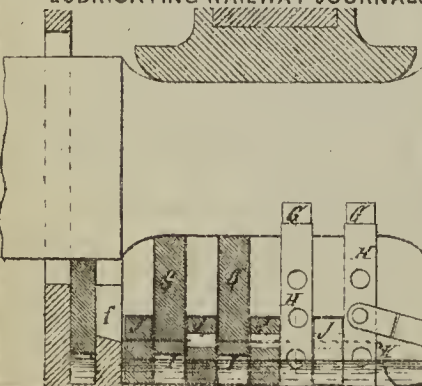
119,090

WILLIAM H. LEWIS,
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119,092

THEODORE G. MEIER,
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119,093

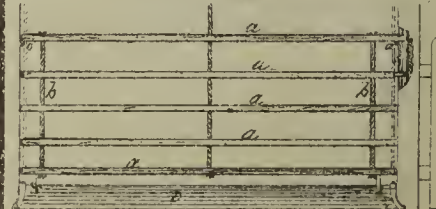
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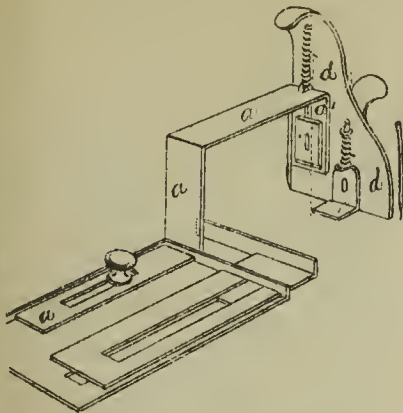
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CHARLES ARMSTRONG.

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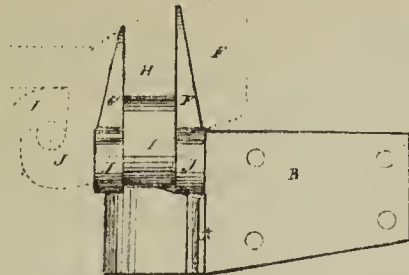
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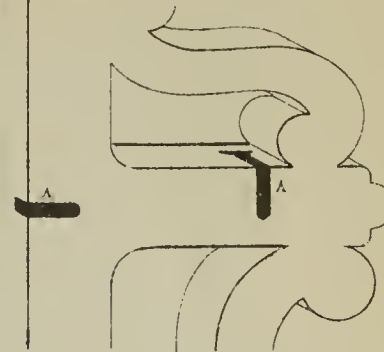
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GATES.

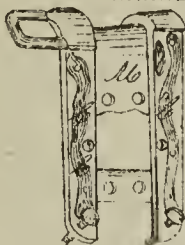
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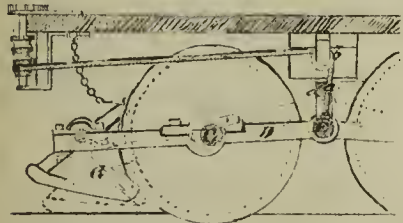
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NARCY G. BURLEIGH,
BRACKETS, SHELVES, &c.

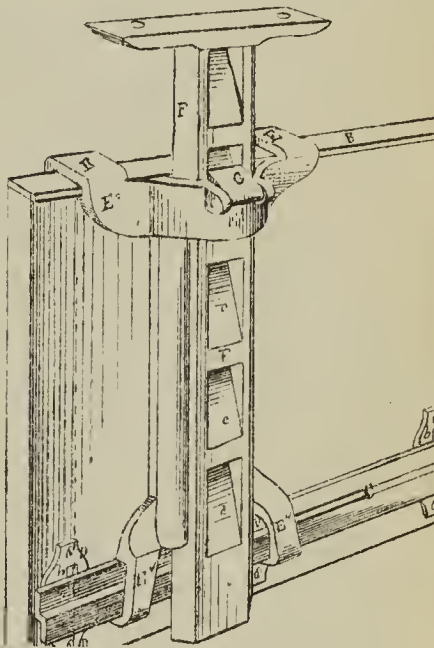
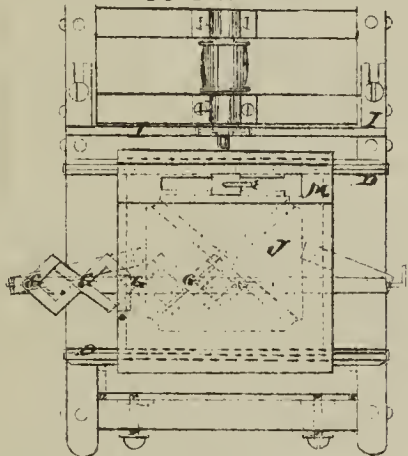
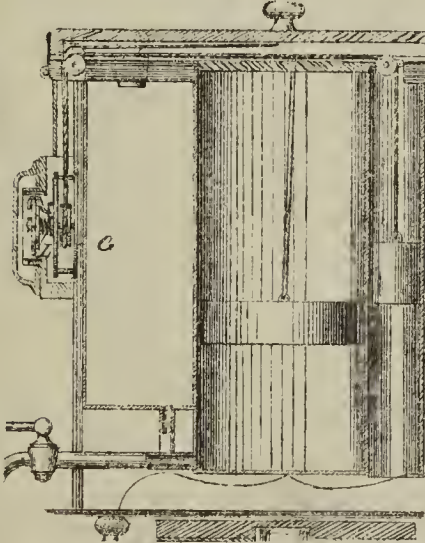
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HARNESS-SADDLES.

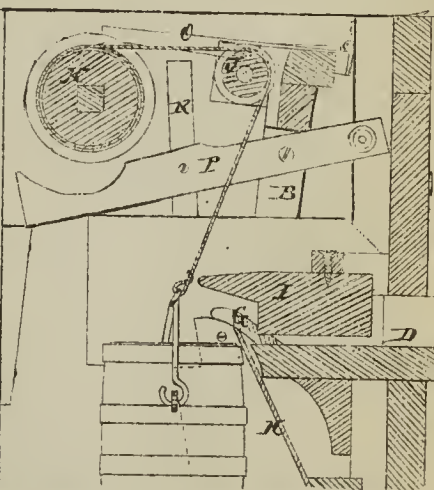
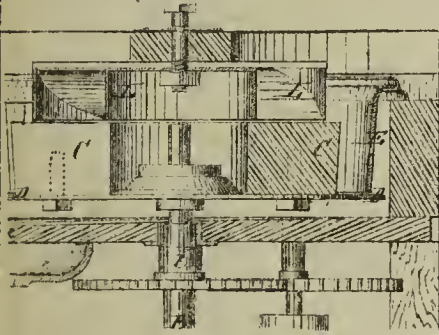
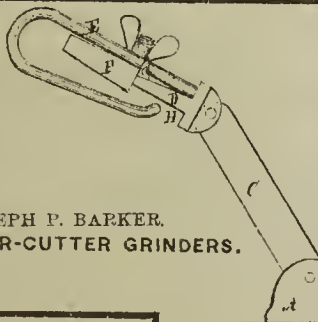
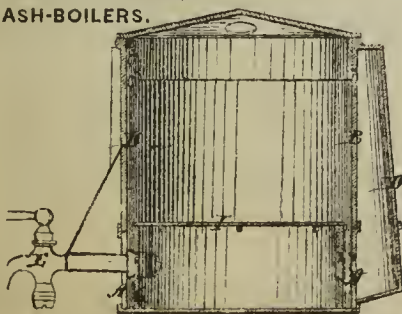
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COUPLING-HOOKS FOR COAL-CARS.ARNOLD AND WASHINGTON,
119.103 RAILWAY-CAR BRAKES.

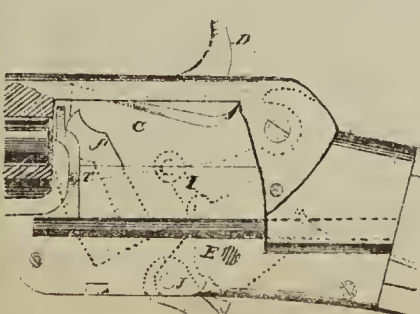
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119.105 STAIR-PADS.JOHN BALL, SR.,
119.106 IRON RUNNING-GEAR FOR WAGONS.119.113
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119.114 LIQUID-MEASURING CAN.

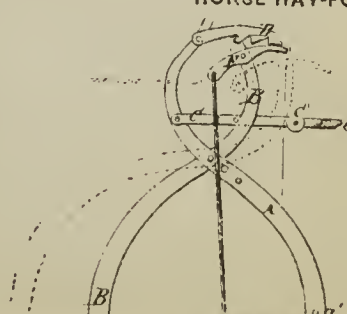
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119.107 MACHINES FOR PULPING WOODJOSEPH P. BARKER,
119.108 HARVESTER-CUTTER GRINDERS.BATES AND BATES,
119.109 WASH-BOILERS.

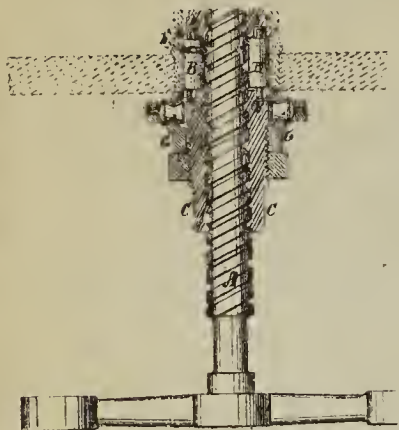
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ANDREW BURGESS,
MAGAZINE FIRE-ARMS.

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JACOB H. CAROTHERS,
HORSE HAY-FORKS.

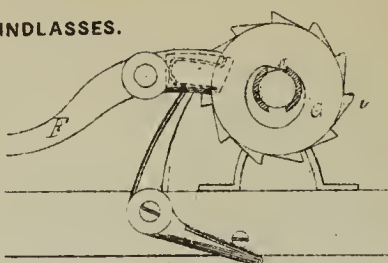
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CHARLES H. CLARK,
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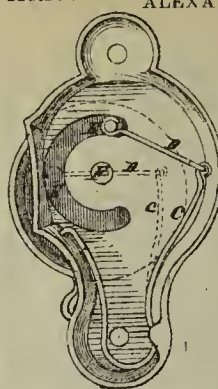
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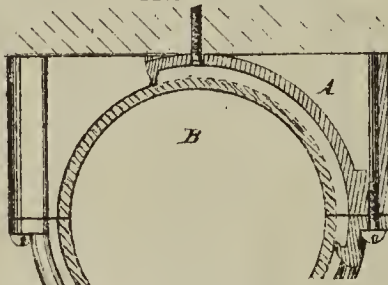
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ALEXANDER C. FAIVRE,

SASH-HOLDERS.



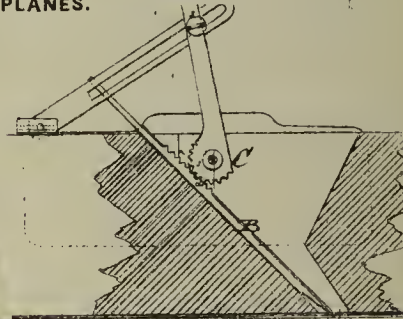
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JOHN DEMAREST,
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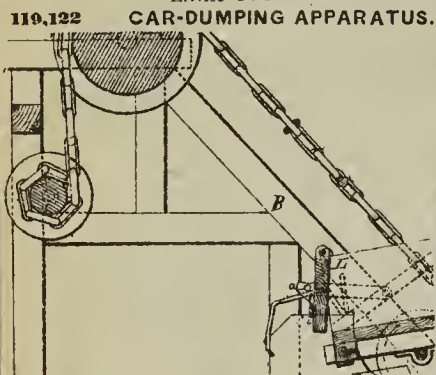
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PLANES.

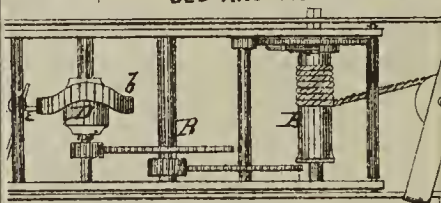
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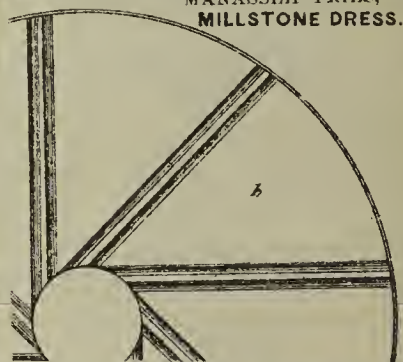
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EZRA COCKILL,
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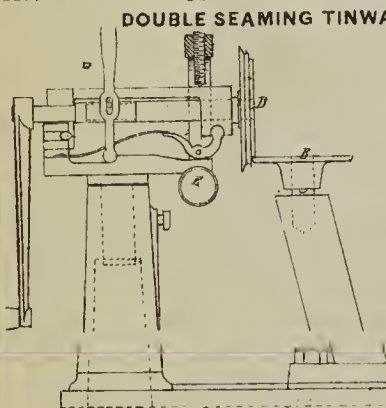
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WILLIAM H. DOWNS,
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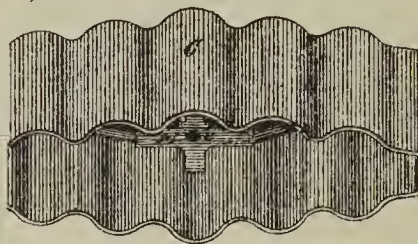
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MANASSEH FRIES,
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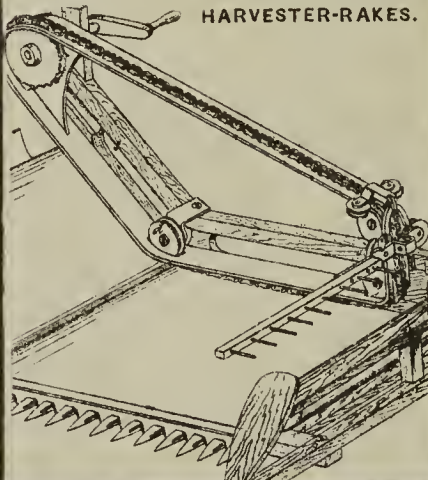
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DOUBLE SEAMING TINWARE.

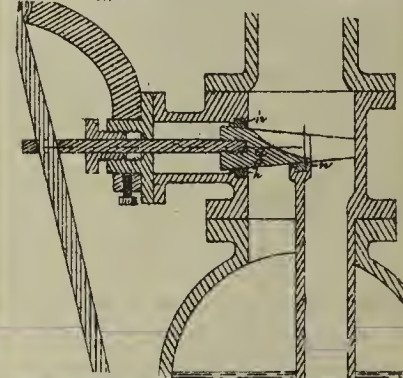
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GEORGE ELLIOT,
RAILWAY-CAR SPRINGS.

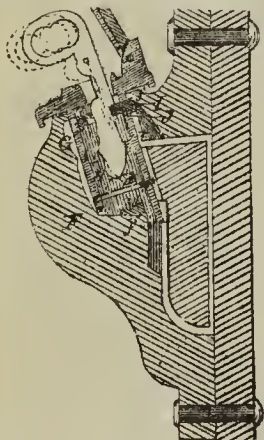
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RICHARD EMERSON,
HARVESTER-RAKES.

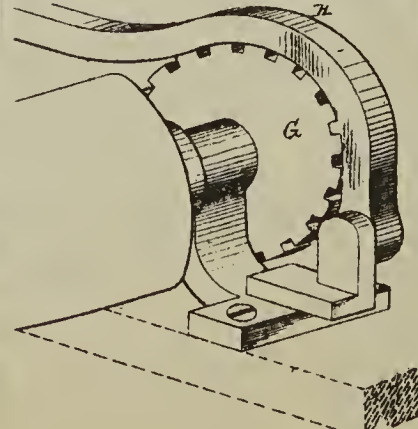
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WILLIAM GIBSON,
MANUFACTURE OF COAL-GAS.

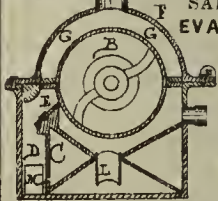
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ALONZO W. CRAM,
RAILWAY-SWITCH STANDS.

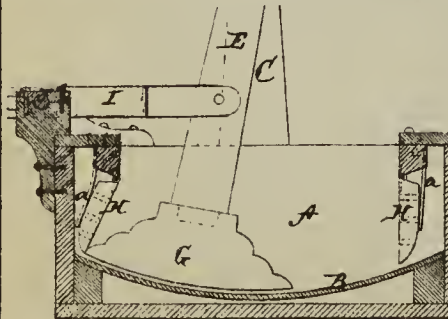
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THOMAS R. EVANS,
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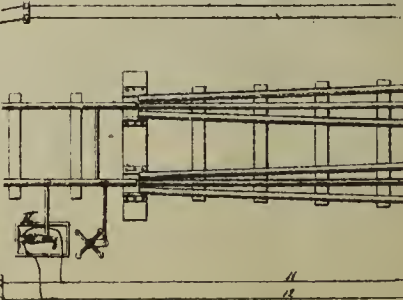
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SAMUEL D. GILSON,
EVAPORATING BRINE.

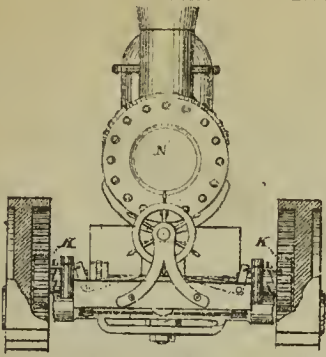
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NATHANIEL CROCKETT,
WASHING-MACHINES.

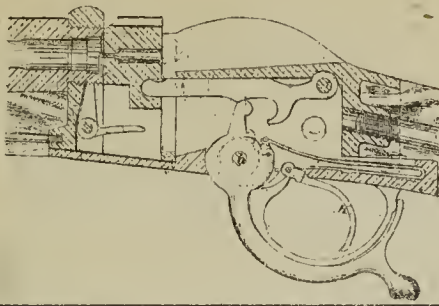
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THOMAS S. HALL,
ELECTRO-MAGNETIC SIGNALS.

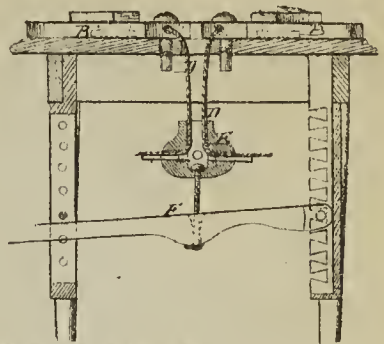
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MELVIN A. HALSTEAD,
TRACTION-ENGINES.

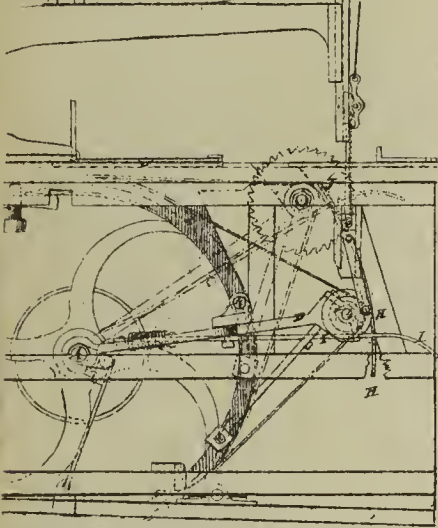
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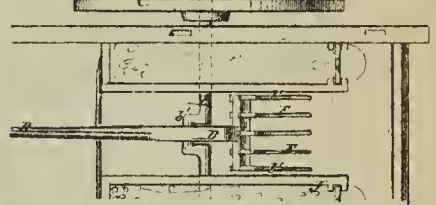
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CHRISTIAN O. HANSEN,
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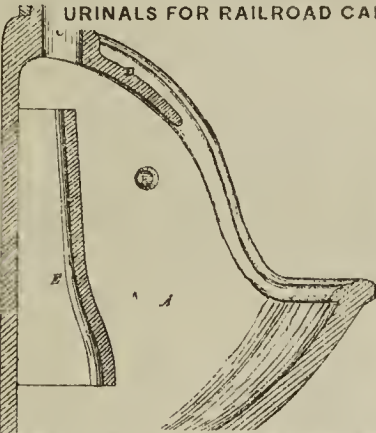
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CHARLES HODGETTS,
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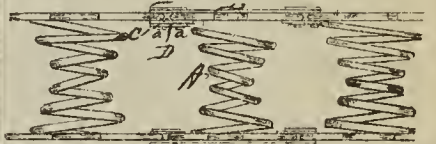
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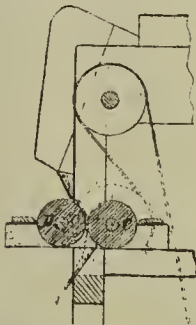
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JAMES L. HOWARD,
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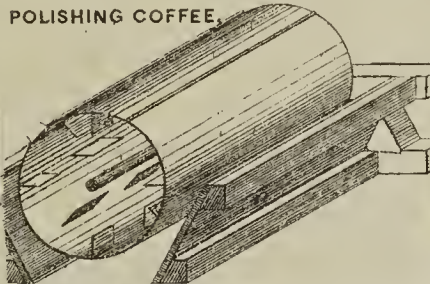
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WILLIAM B. JUDSON,
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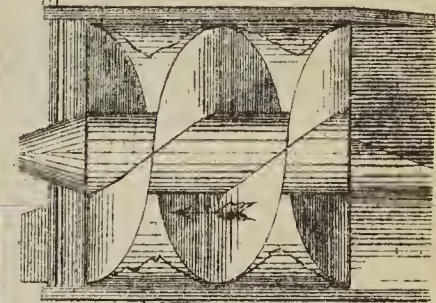
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HIRAM P. HARRELL,
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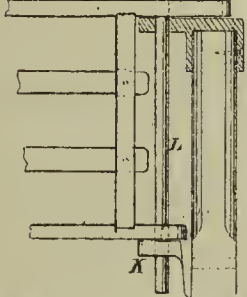
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GEORGE WHITNEY HUNGERFORD,
POLISHING COFFEE.

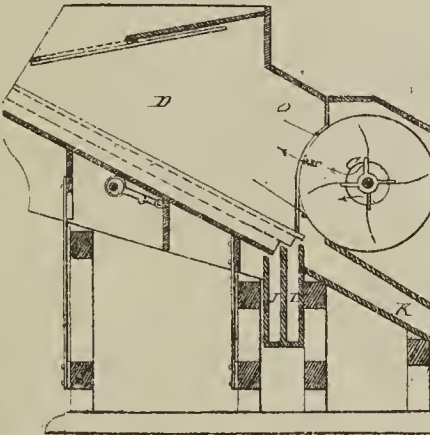
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MATHIAS KOLB,
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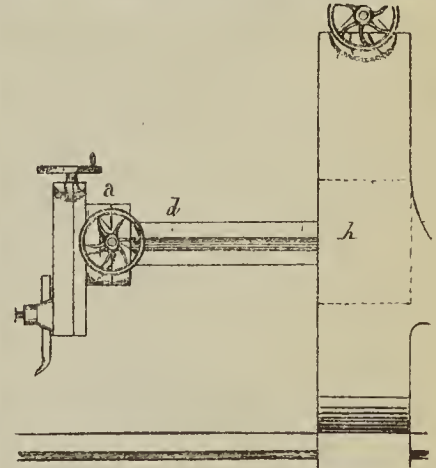
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WILLIAM HATHAWAY,
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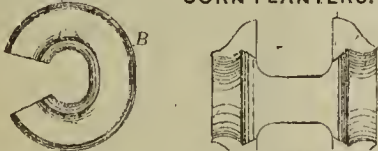
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GEORGE WHITNEY HUNGERFORD,
MACHINES FOR CLEANING COFFEE.

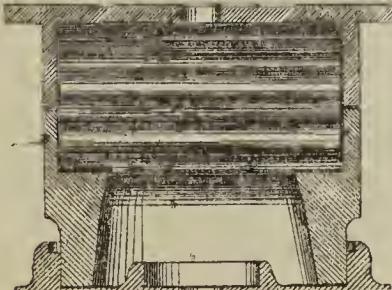
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MARTIN KREMSEK,
METAL-PLANING MACHINES.

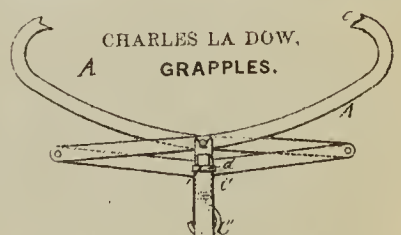
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LYSANDER L. HAWORTH,
CORN-PLANTERS.

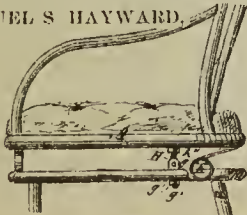
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ROBERT B. JEWELL,
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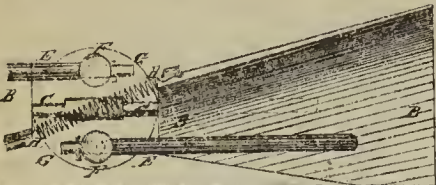
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TILTING-CHAIRS.
SAMUEL S. HAYWARD.

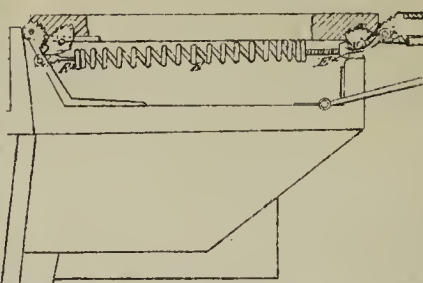
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JOSHUA D. LEGG,
CURTAIN-FIXTURES.

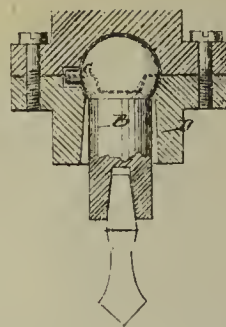
119,159 WINDMILLS. ISAAC LEHMER.



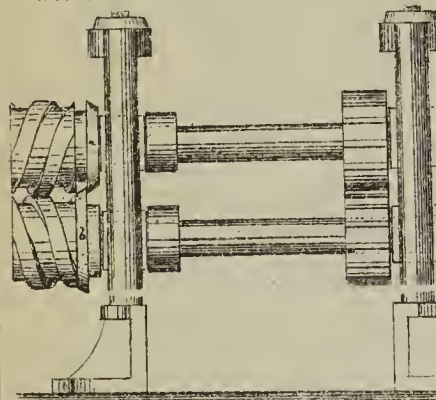
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ALEXANDER MCKENZIE.
CARRIAGE-TOPS.

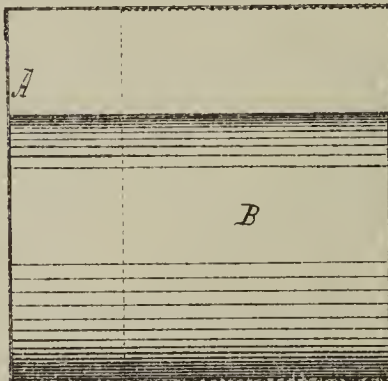
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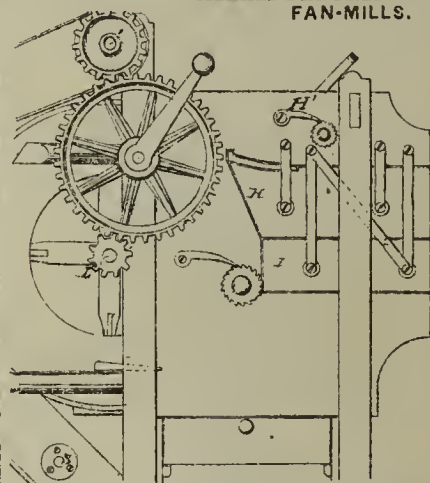
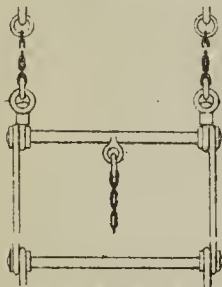
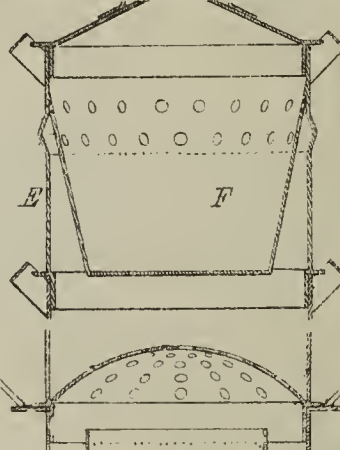
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ABRAHAM LISMANN,
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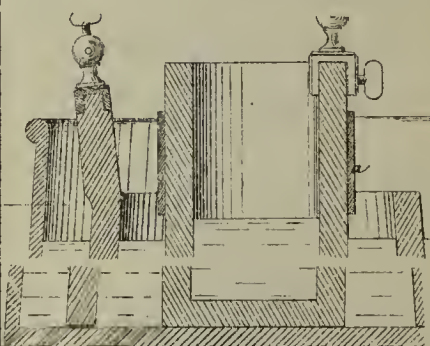
119,168 SILAS C. NICHOLS. FUR-BOXES.



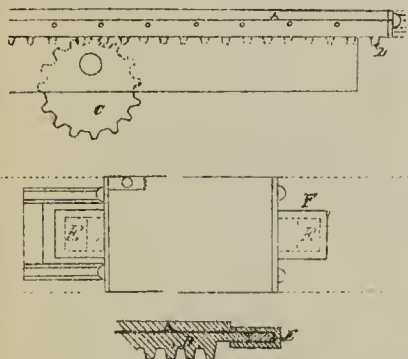
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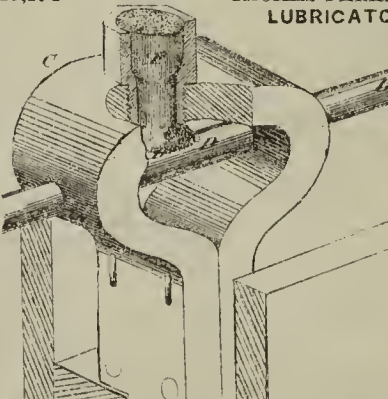
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GEORGE H. MANSFIELD.
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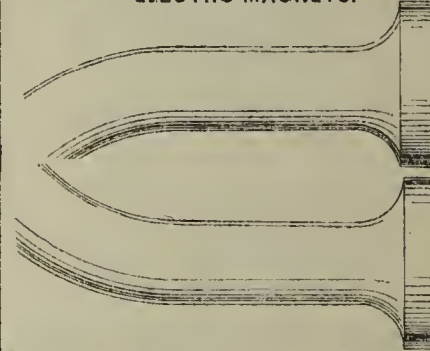
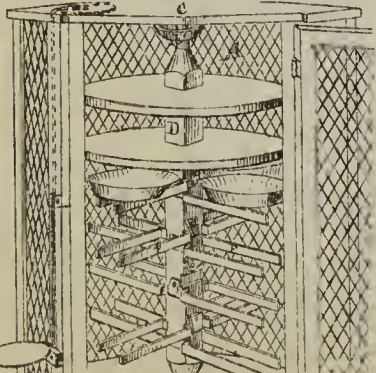
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WILLIAM JAMES OXER,
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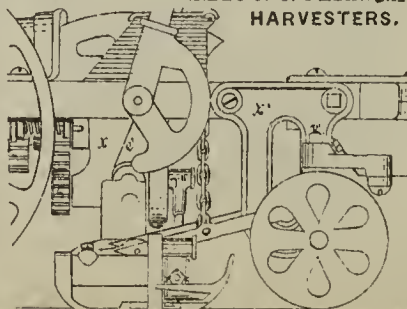
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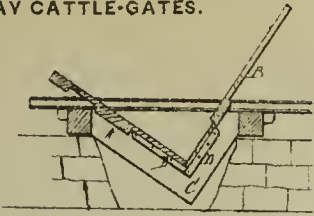
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CHARLES J. C. PETERSEN.
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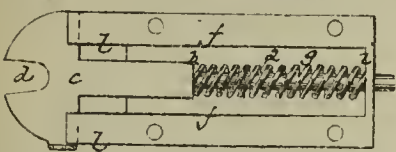
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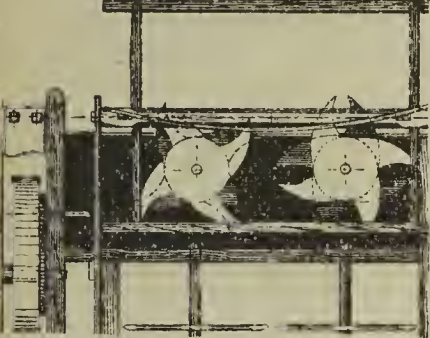
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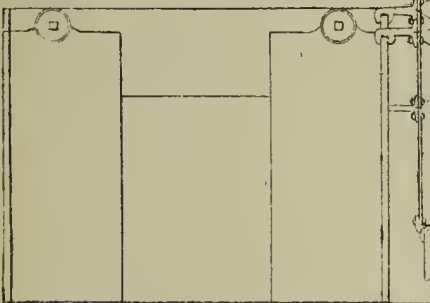
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SHUTTER-FASTENERS.



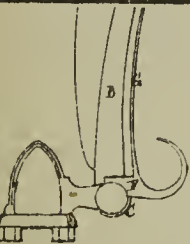
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CORN-HARVESTERS.



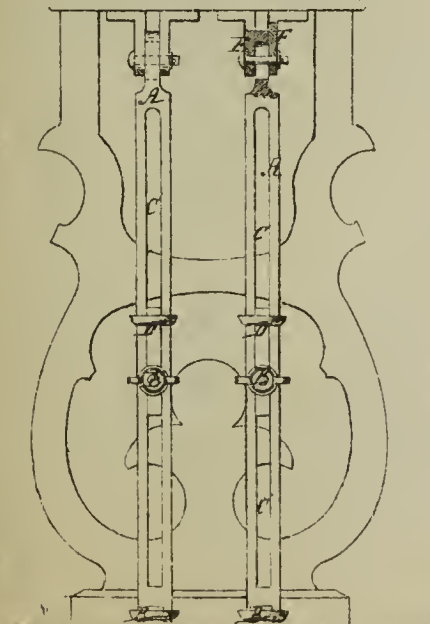
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ANTHONY POLLOK,
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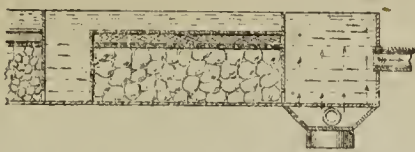
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TRUMAN H. RYDER,
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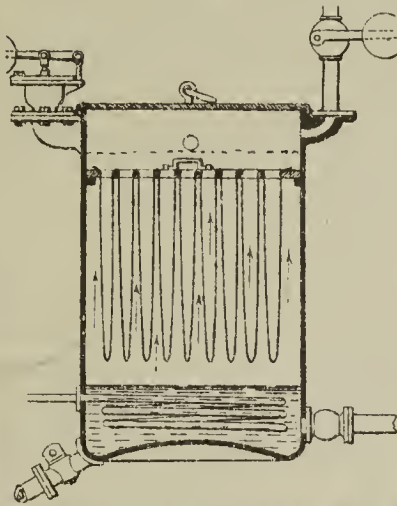
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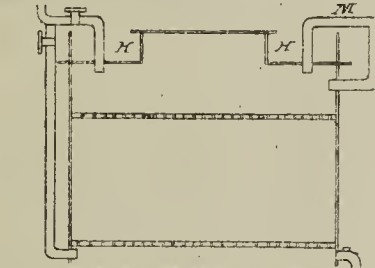
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WILLIAM C. SELDEN,
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CHARLES F. A. SIMONIN,
TREATING TEXTILE FABRICS



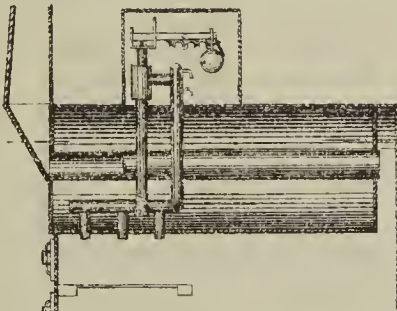
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CHARLES F. A. SIMONIN,
EXTRACTING FATTY SUBSTANCES.



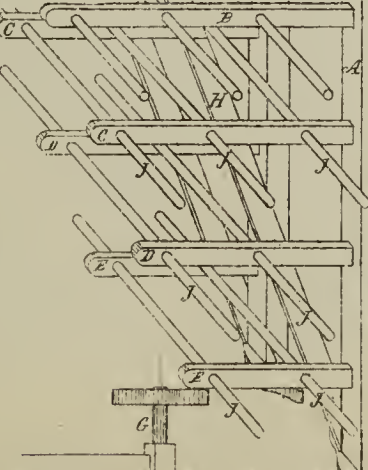
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JOHN Q. SIMONSON,
FILTERING-CISTERNS.



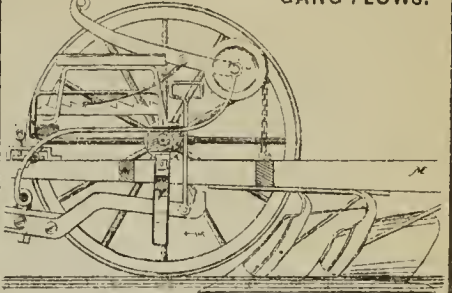
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THOMAS R. SINCLAIRE,
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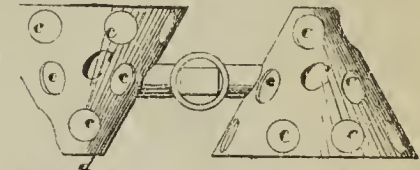
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CHARLES FRANCIS SMITH,
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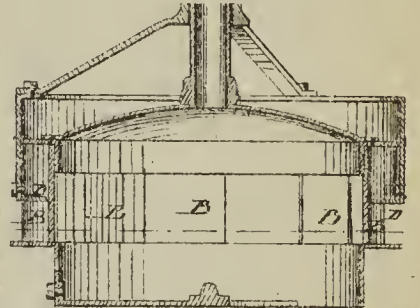
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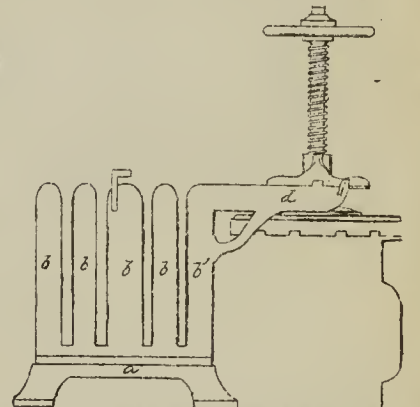
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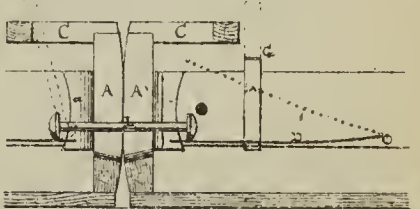
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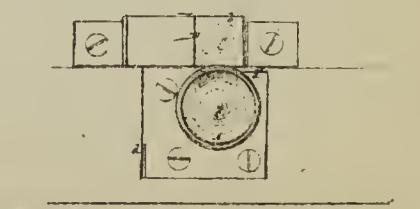
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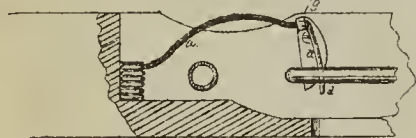
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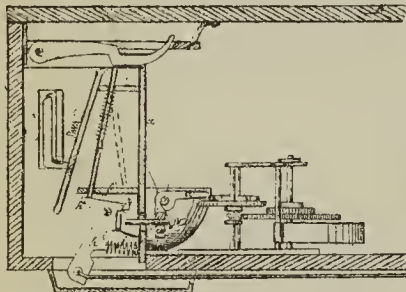
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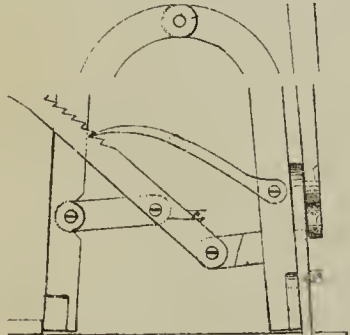
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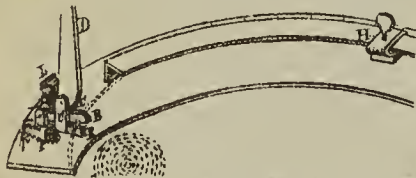
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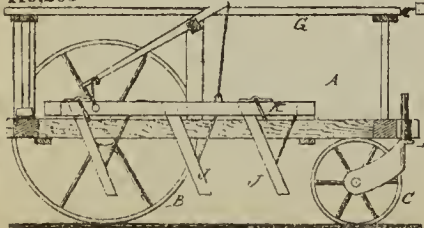
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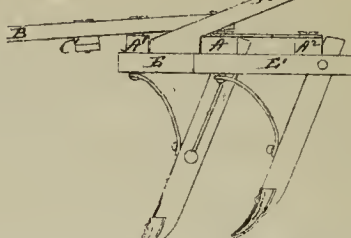
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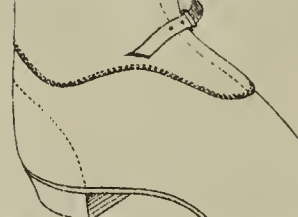
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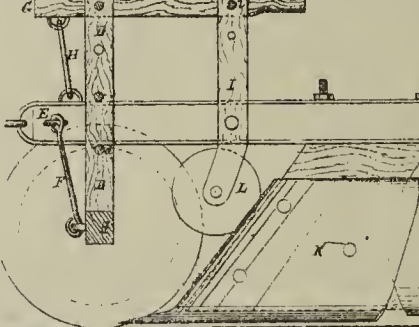
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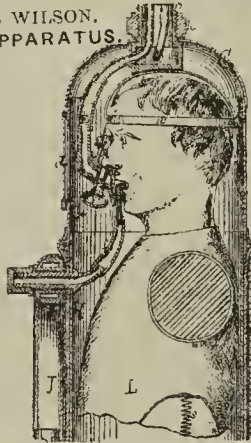
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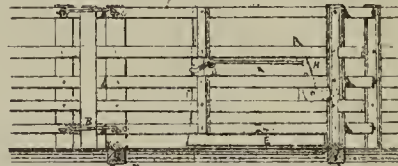
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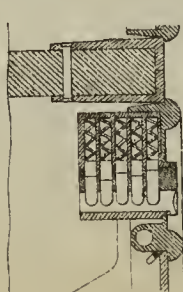
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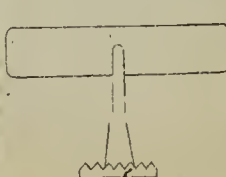
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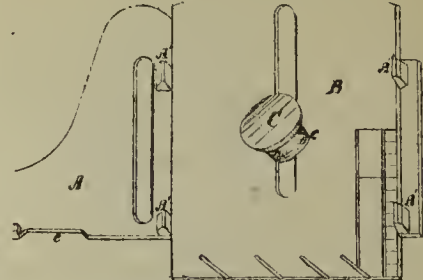
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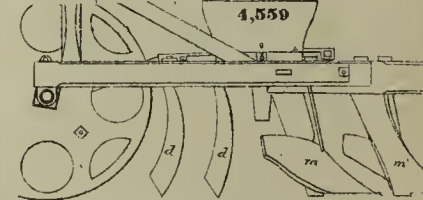
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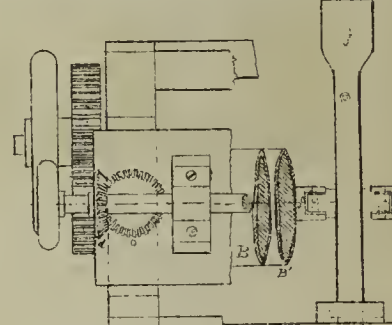
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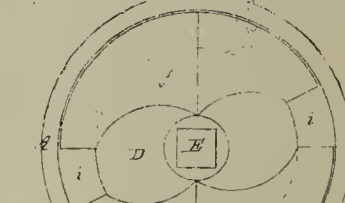
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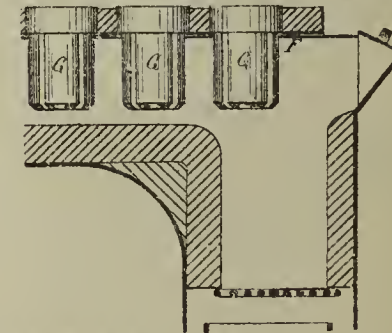
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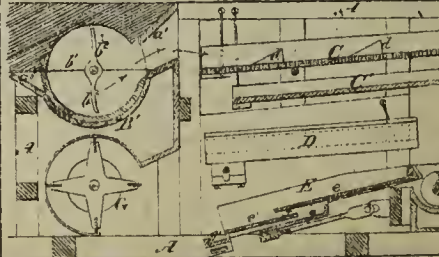
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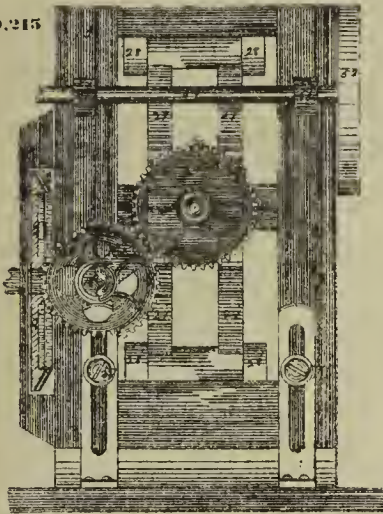
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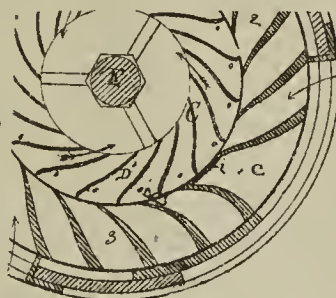
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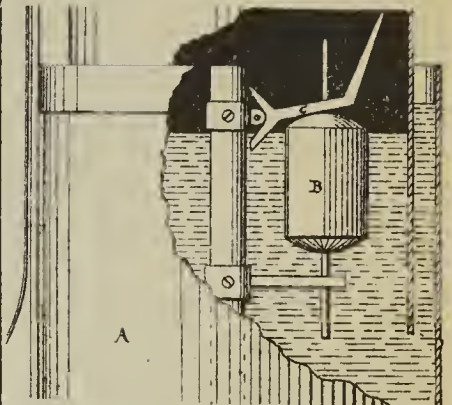
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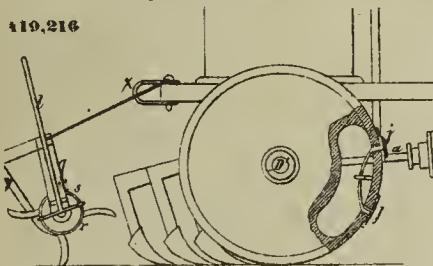
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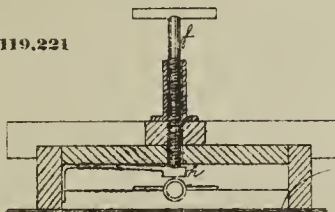
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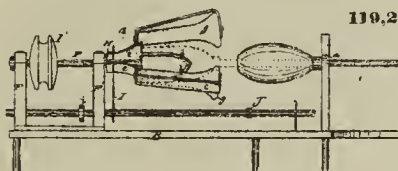
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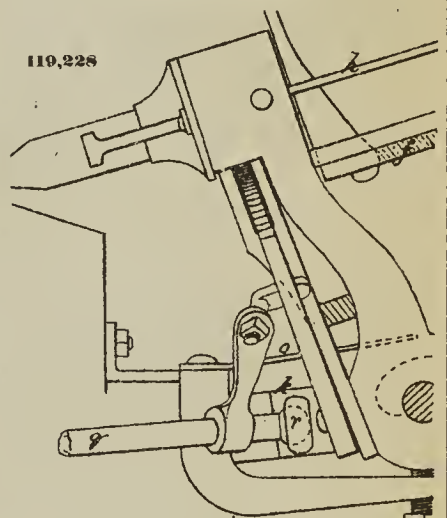
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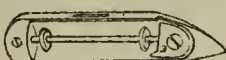
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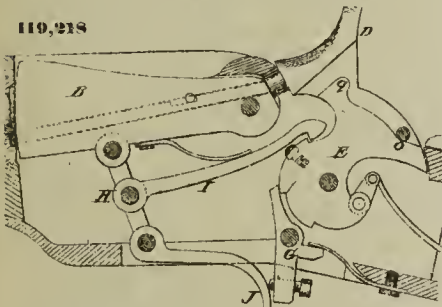
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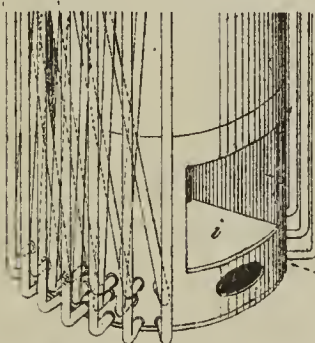
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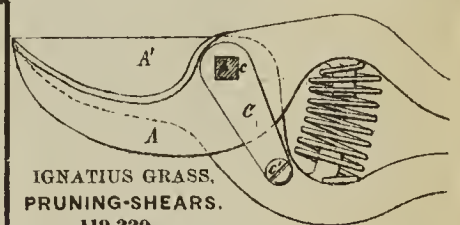
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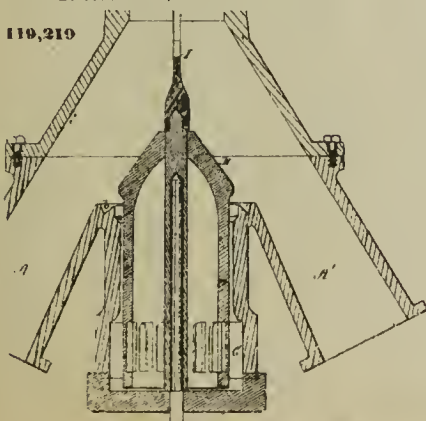
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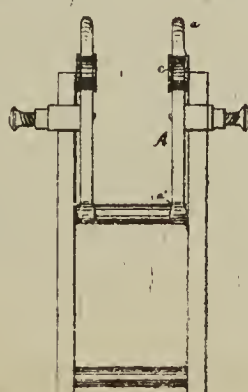
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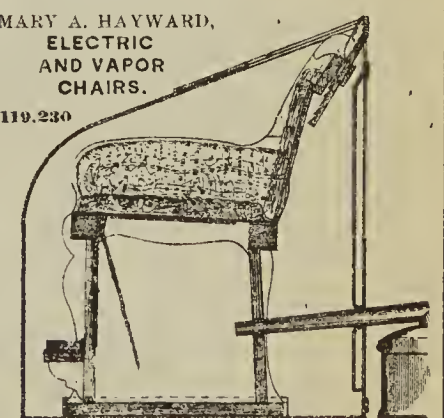
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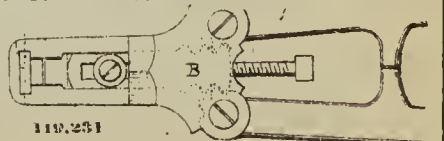
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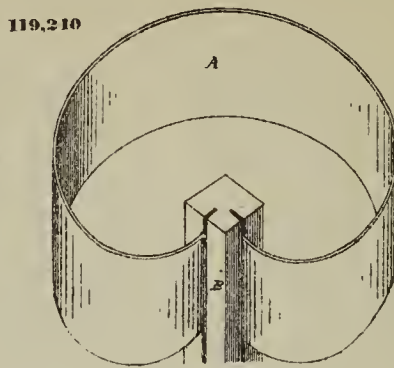
DANIEL JONES,

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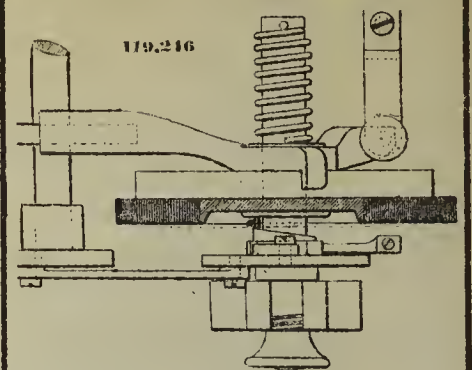
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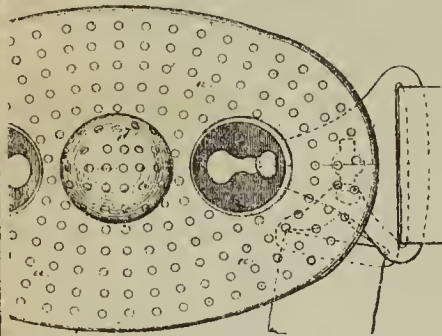
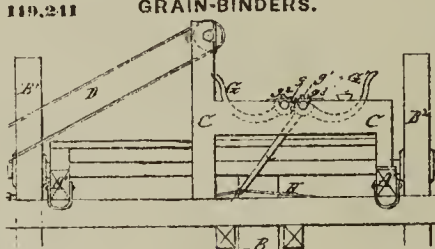


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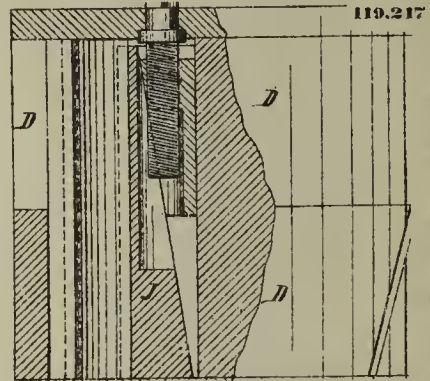
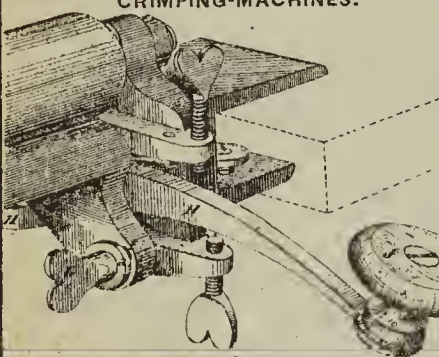
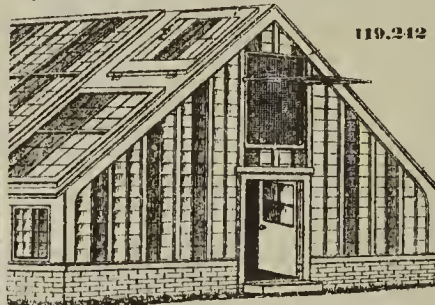
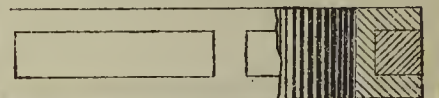
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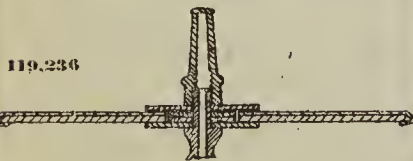
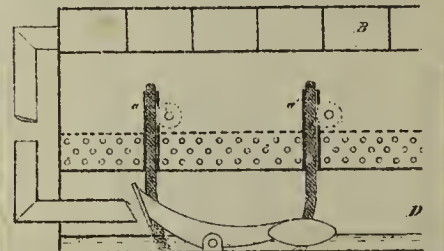
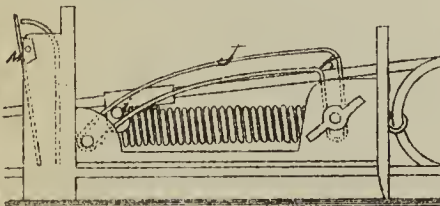
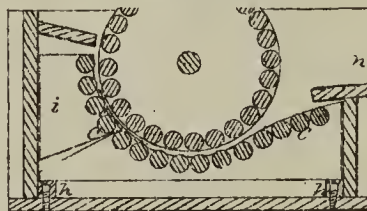
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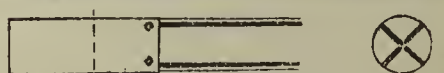
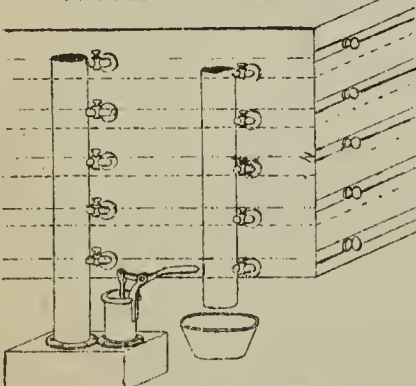
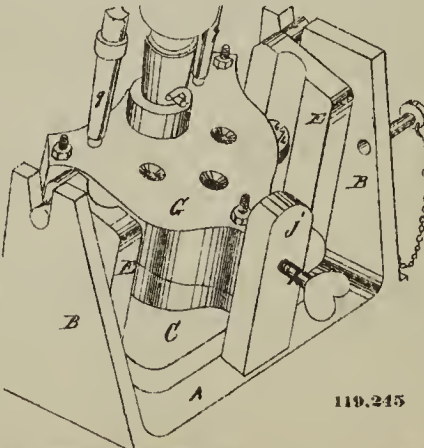
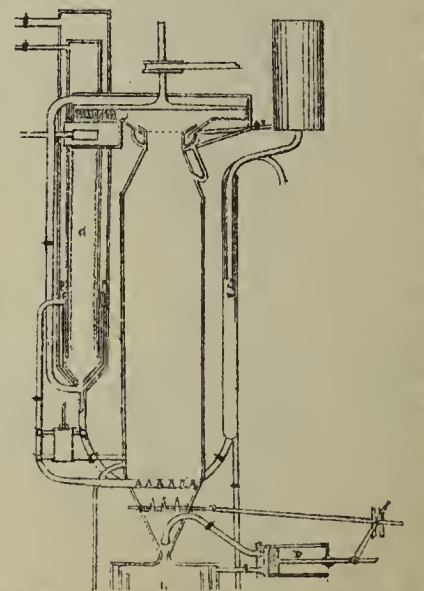
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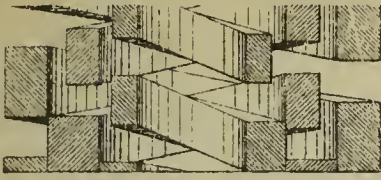
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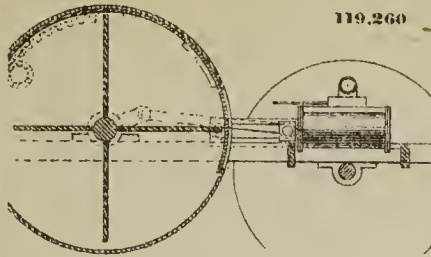
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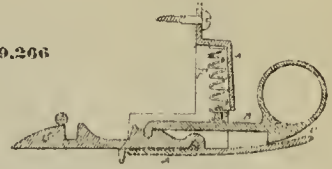
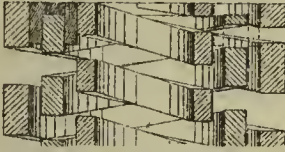
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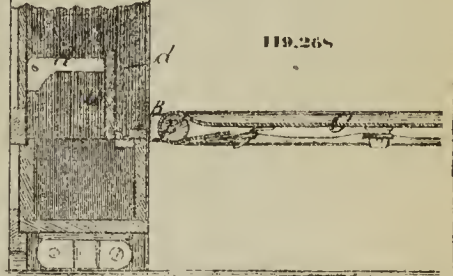
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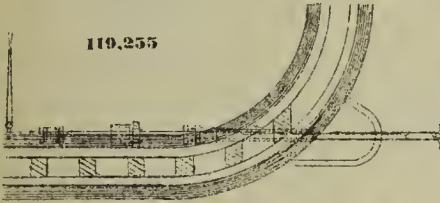
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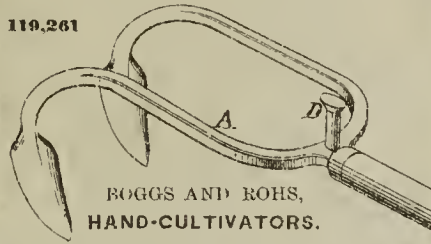
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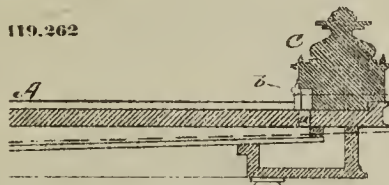


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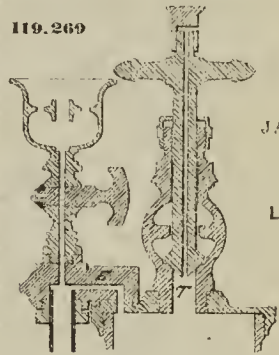
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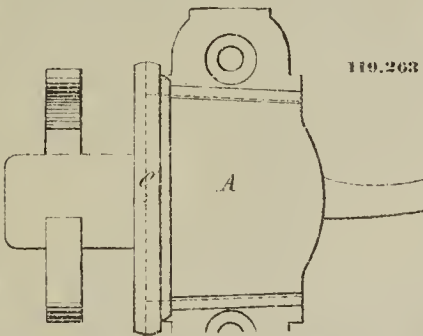
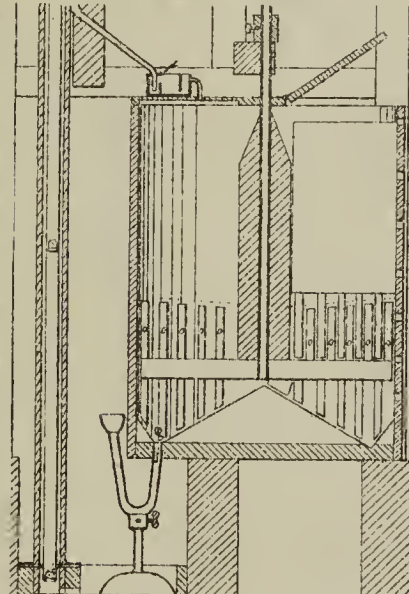


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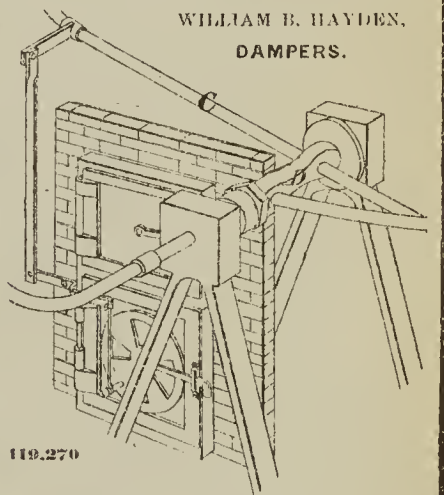
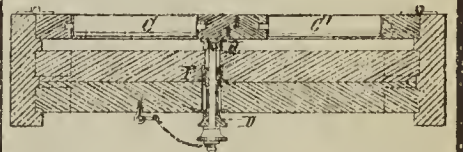
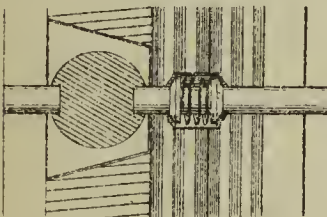
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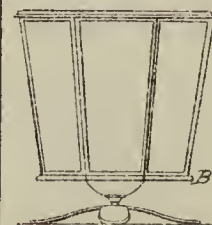
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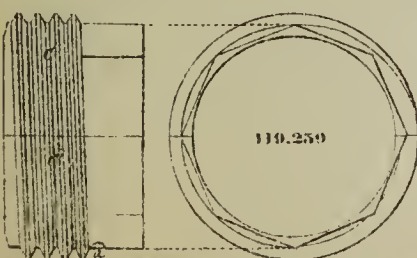
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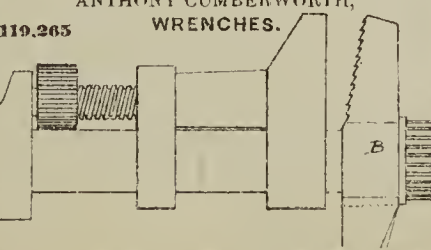
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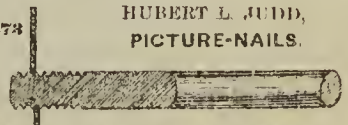
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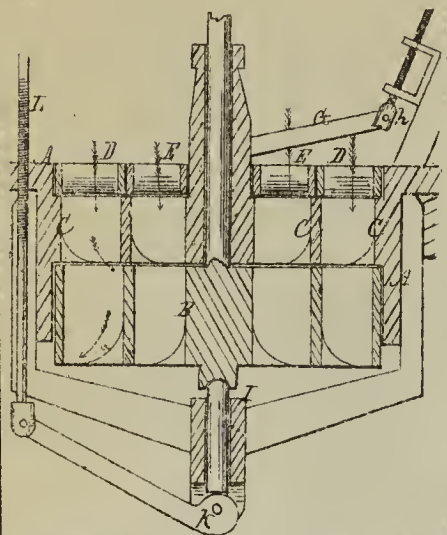
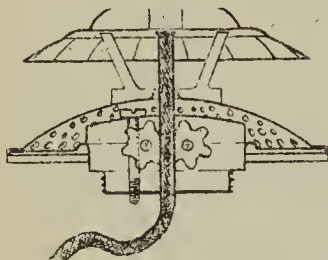
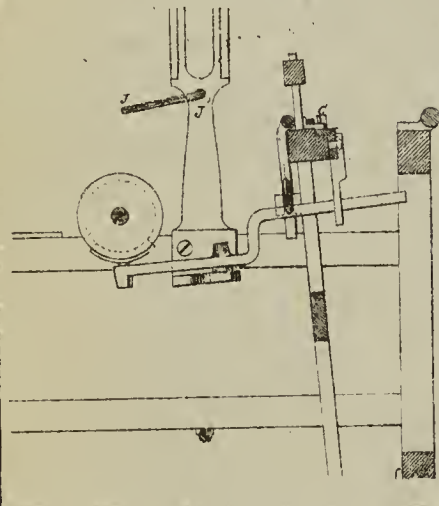
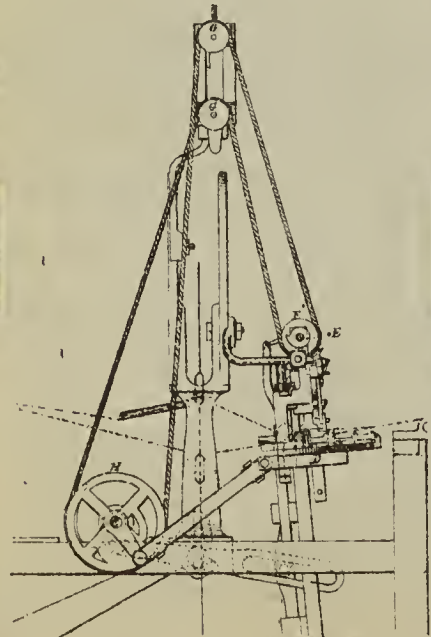
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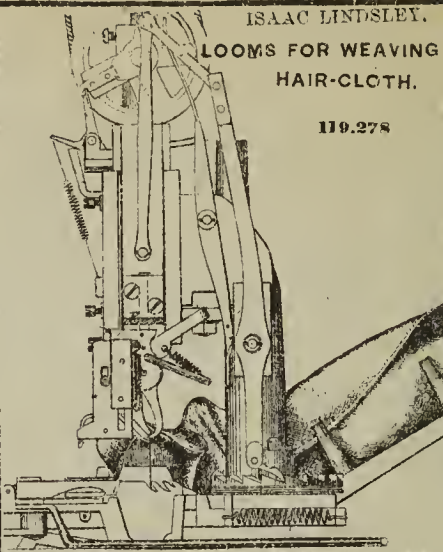
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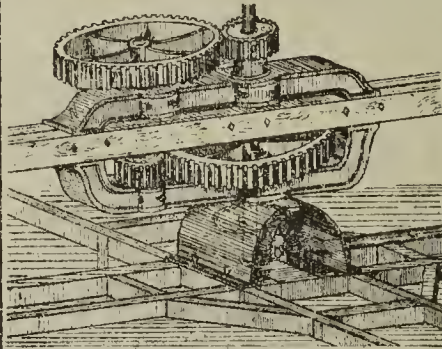
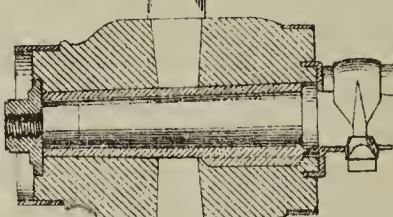
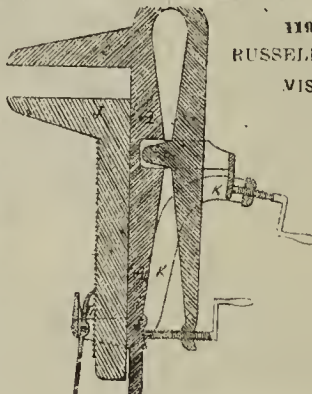
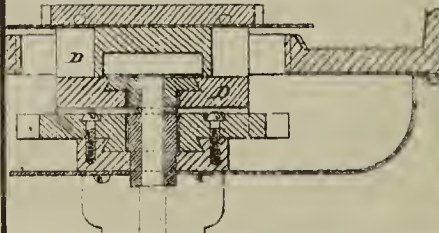
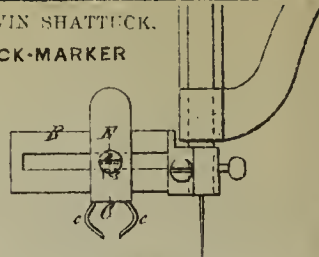
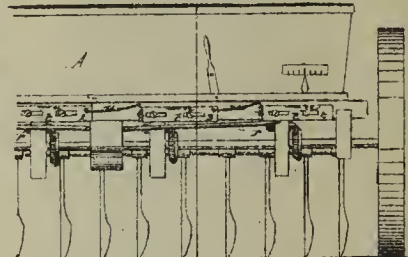
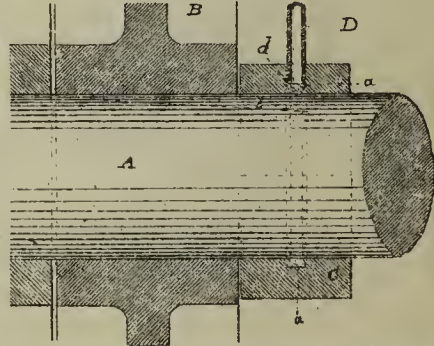
119.274 JAMES C. KELLY. WATER-WHEEL

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HAIR-CLOTH.

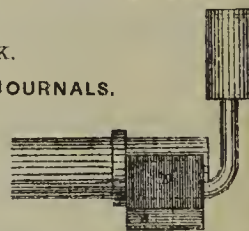
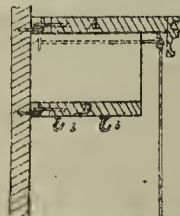
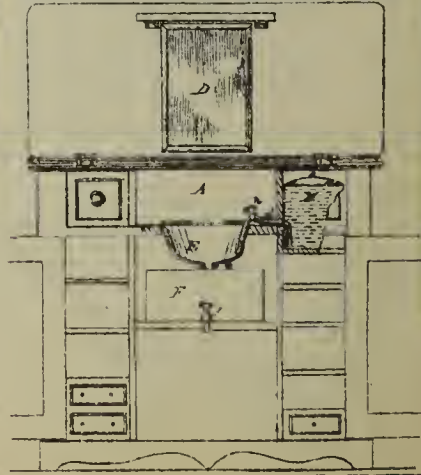
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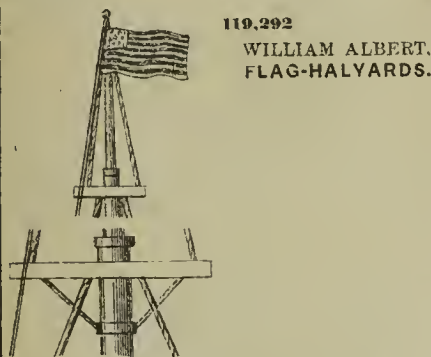
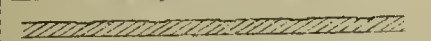
119.279 JAMES MARSHALL HORSE-POWER

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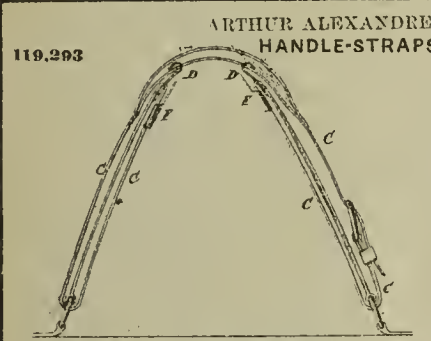
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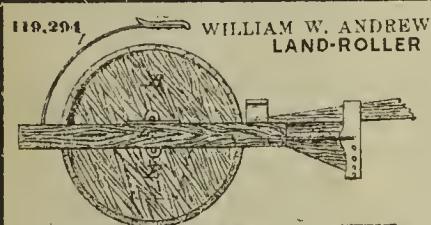
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LOUIS WOLFSON.
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A. Sheet of leather.
a. Coating of wax.
b b. Indents by heated iron.



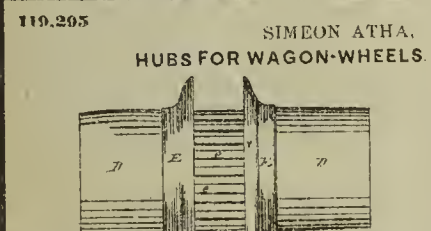
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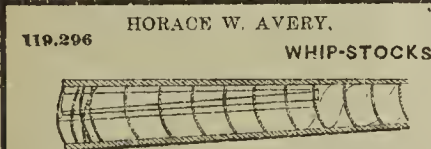
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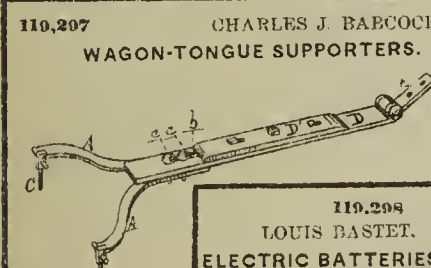
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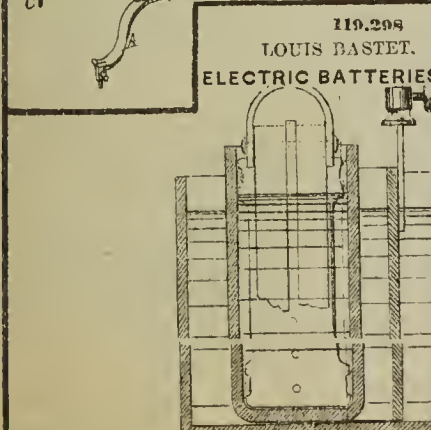
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HORACE W. AVERY.
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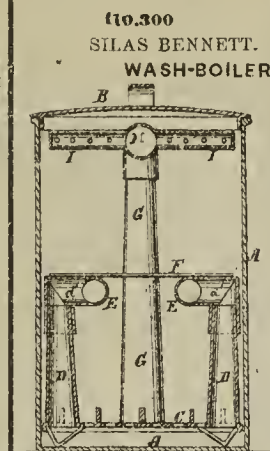
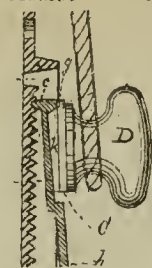


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WAGON-TONGUE SUPPORTERS.

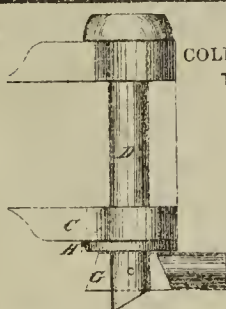


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ELECTRIC BATTERIES.

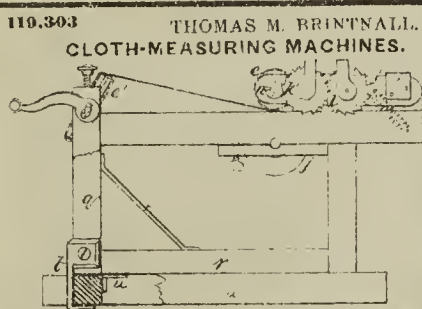
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CURTAIN-FIXTURES.



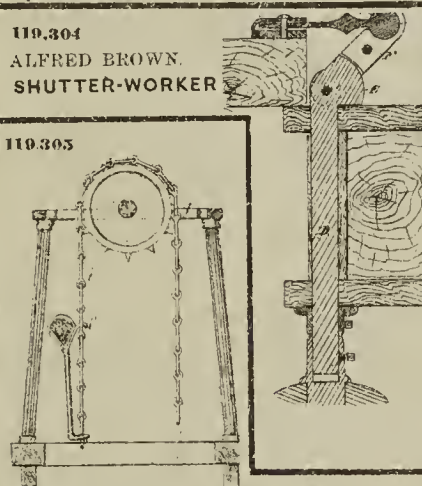
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WASH-BOILER



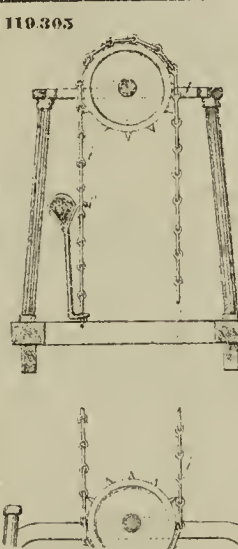
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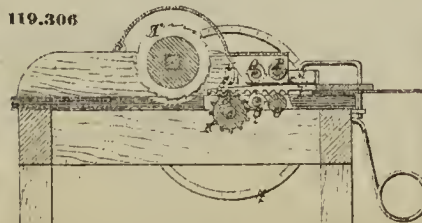
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ALFRED BROWN.
SHUTTER-WORKER



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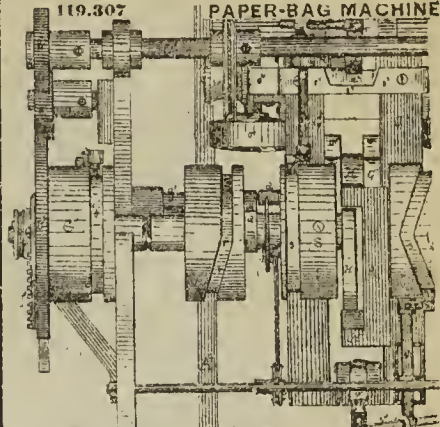
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BROWN AND DINSMORE.
MACHINES FOR MAKING WEDGES.

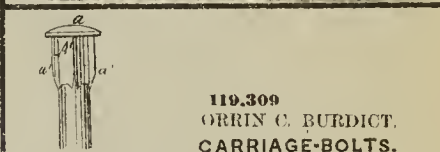
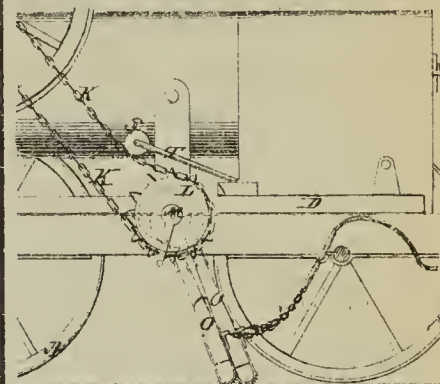


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PAPER-BAG MACHINE

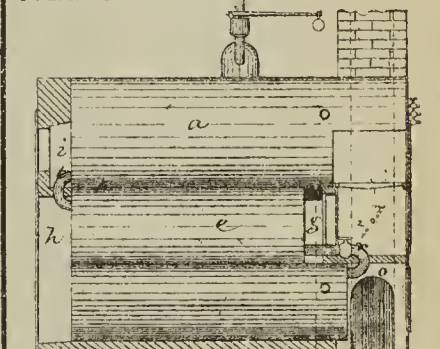


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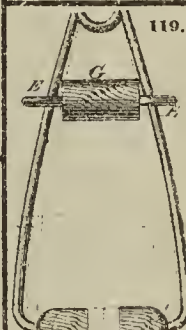


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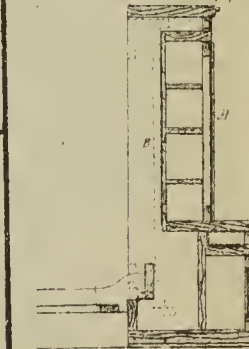
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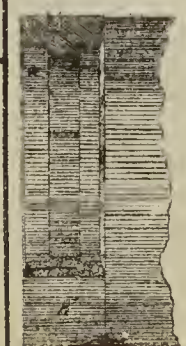
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CLOTHES-PINS.



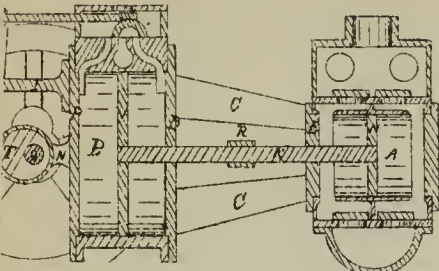
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SANFORD S. BURR.



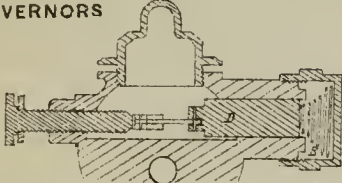
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119,314 BUTTON AND BUTTON.
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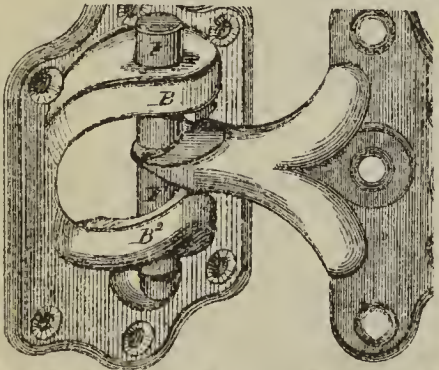


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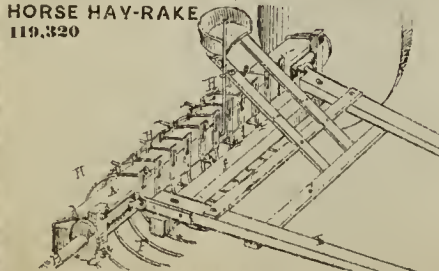
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FRAMES FOR DRYING LACES.



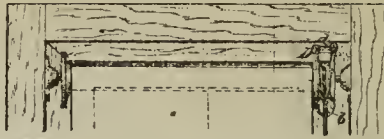
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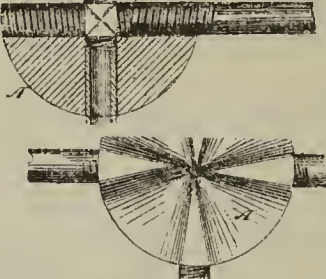
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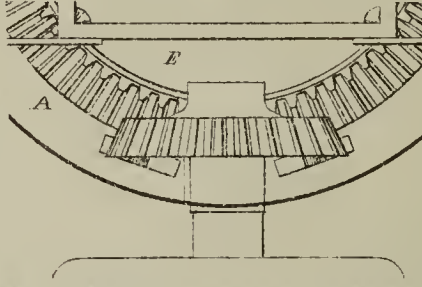
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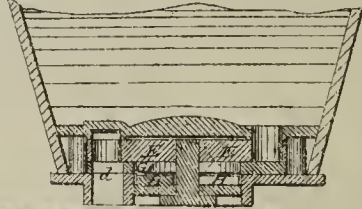


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WILLIAM H. COLLINS.
MACHINES FOR SHAVING ICE.

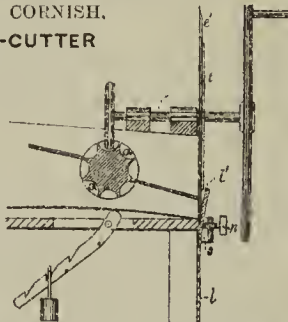


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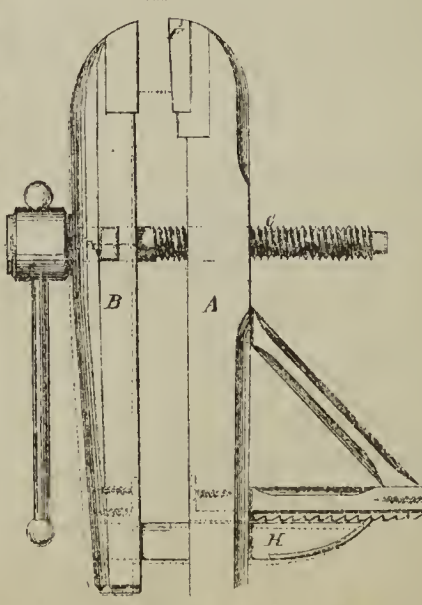
119,325 SEED-DROPPERS.



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STRAW-CUTTER

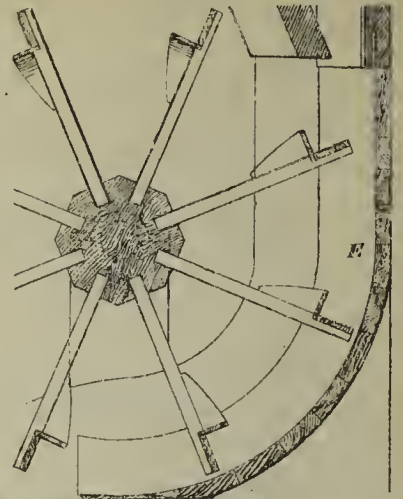


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VISES.

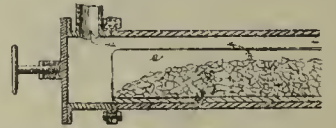


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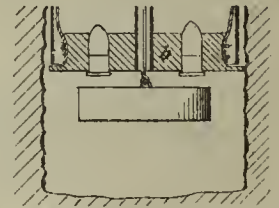
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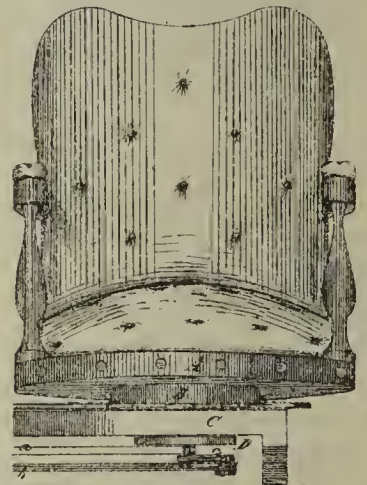
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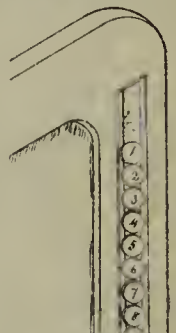
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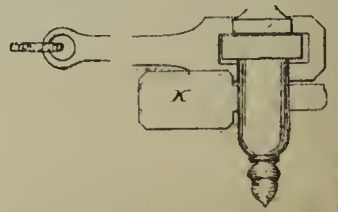
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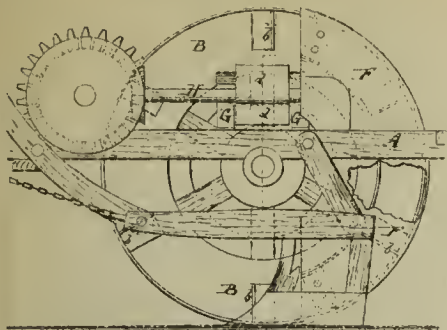
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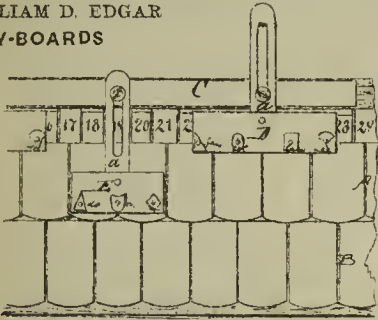
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GEORGE E. DUNN
SEAL LOCKING-BOLTS.



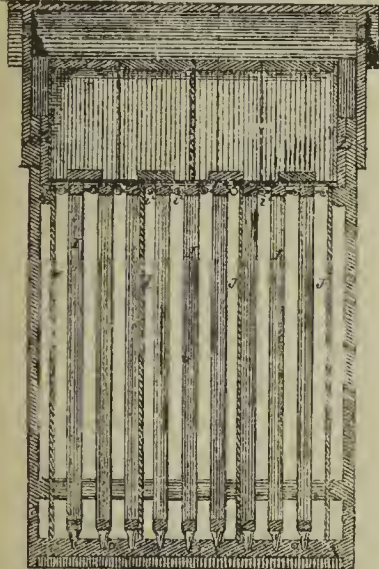
119.334 JOHN M. DUNN, EXCAVATOR



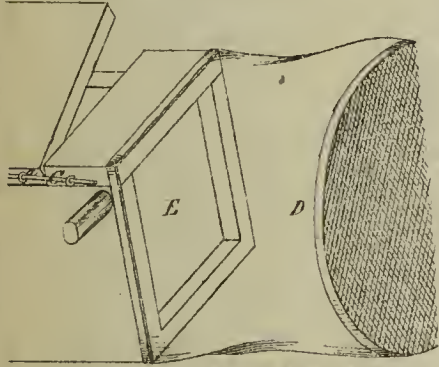
119.335 WILLIAM D. EDGAR KEY-BOARDS



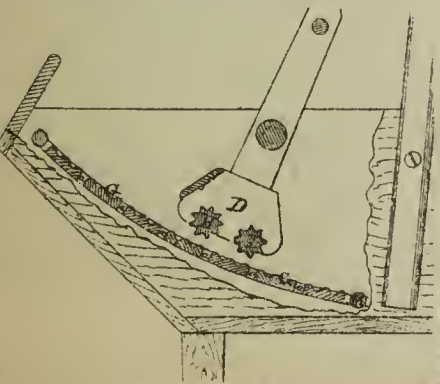
119.336 JOHN C. EDWARDS, BEE-HIVE



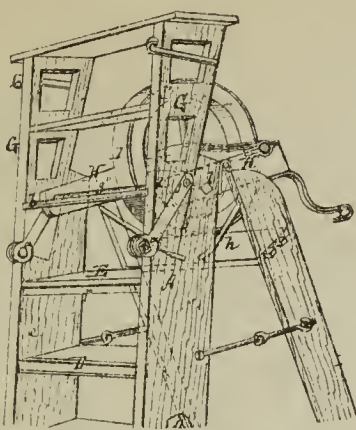
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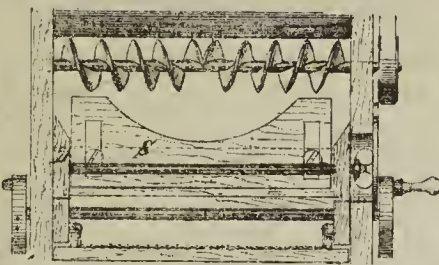
JOHN P. ESHLEMAN, 119.338 WASHING-MACHINE



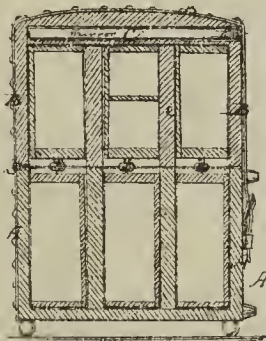
119.339 HENRY JAMES EVANS, WHEELBARROWS AND STEP-LADDERS.



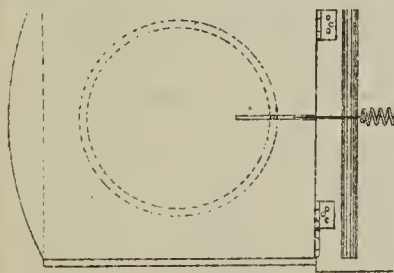
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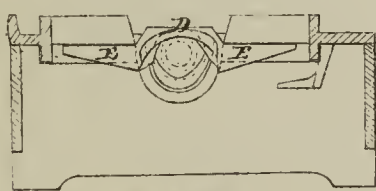
119.341 HENRY SAXON FARLEY, TRUNK



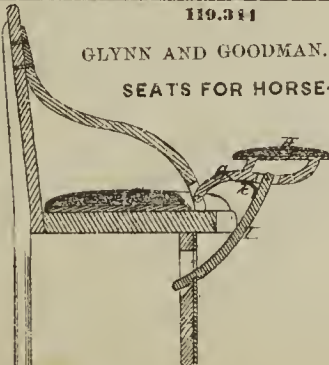
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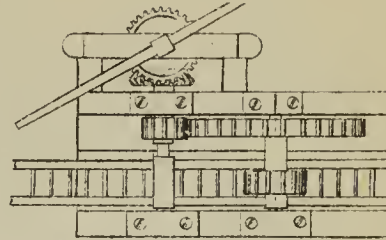
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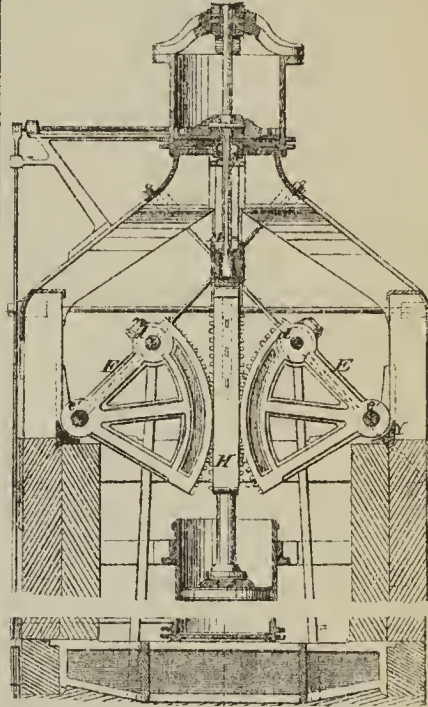
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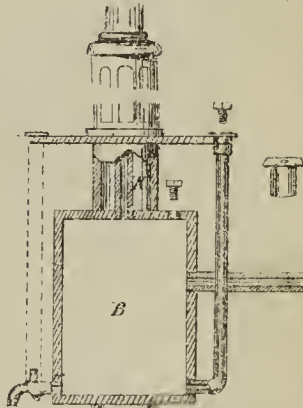
119.345 JOHN H. GOSLINE, MARINE RAILWAYS.



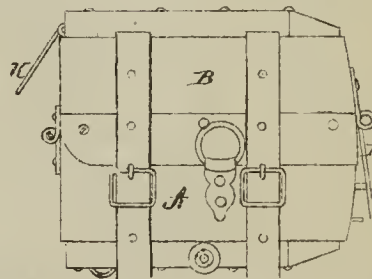
119.346 GEORGE W. GRADER, COTTON-PRESS



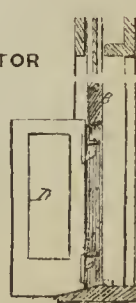
119.347 LAMP-POST JOHN W. GRAHAM,



119.348 TRUNK NICHOLAS GROEL,



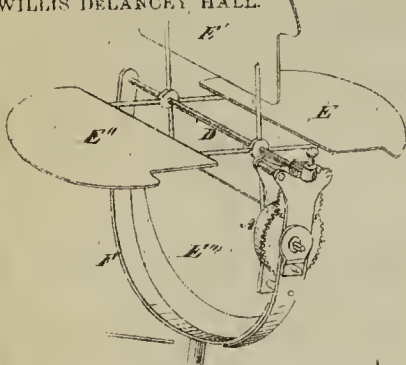
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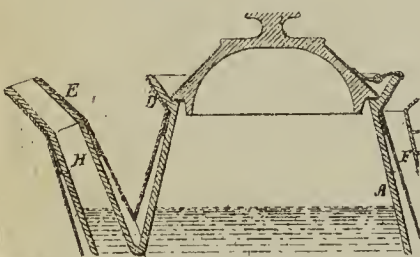
119,350. HENRY M. HALL.
DEVICES FOR SECURING HEMMERS.



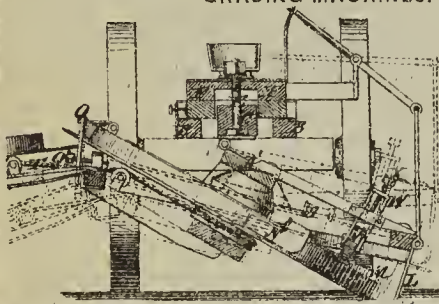
119,351. WILLIS DELANCEY HALL.
AUTOMATIC FANS.



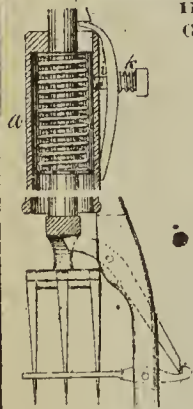
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TEA-AND-COFFEE POTS.



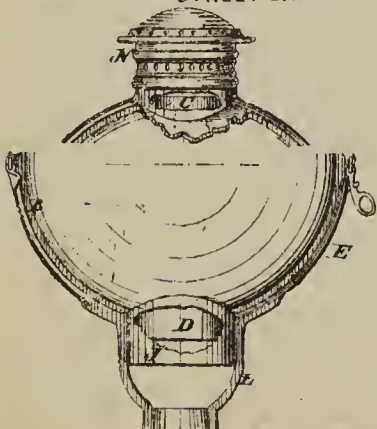
119,353. JOHN F. HANNA.
GRADING-MACHINES.



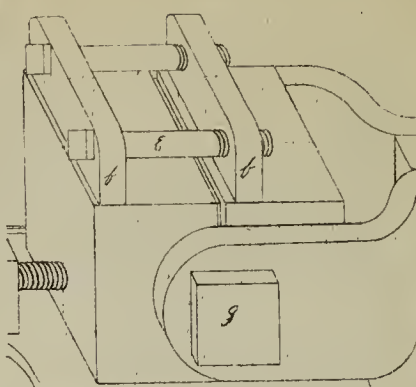
119,354. GEORGE W. HARDWICK.
MOLE-TRAP



119,355. JACOB F. HARLY.
STREET-LANTERN



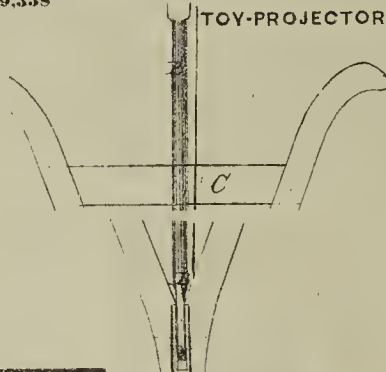
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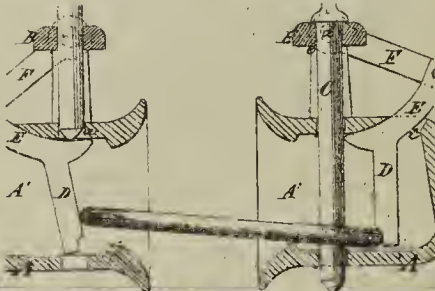
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CARTRIDGE-SHELLS



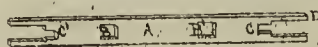
119,358. EDWARD V. B. HOES.
TOY-PROJECTORS.



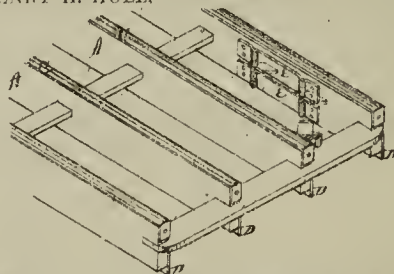
119,359. CARL L. HORACK.
CAR-COUPINGS.



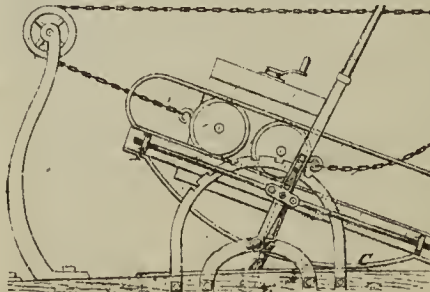
119,360. JOHN M. HORTON.
DEVICES FOR LOCKING-NUTS.



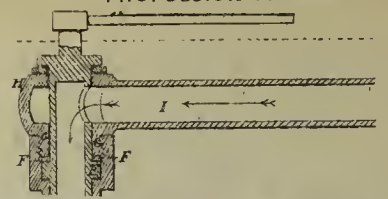
119,361. CLOD-BREAKING-MACHINE
HENRY H. HULL.



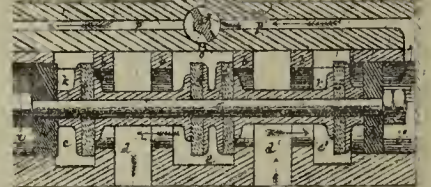
119,362. MOTIVE POWERS.
JAMES B. HUNTER.



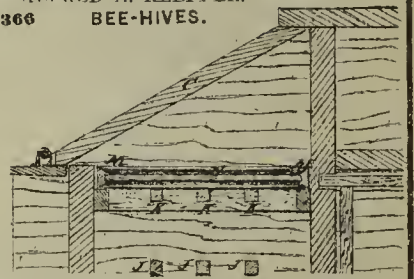
119,363. HENRY JACKSON.
PROPULSION OF VESSELS.



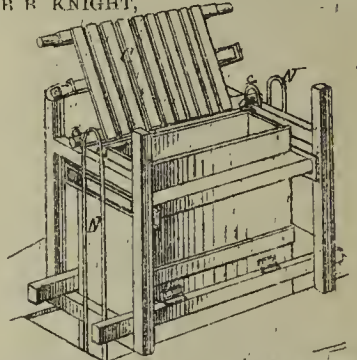
119,364. JULIUS JONSON.
LIQUID-METERS.



119,365. ALFRED H. KLEPPER.
BEE-HIVES.



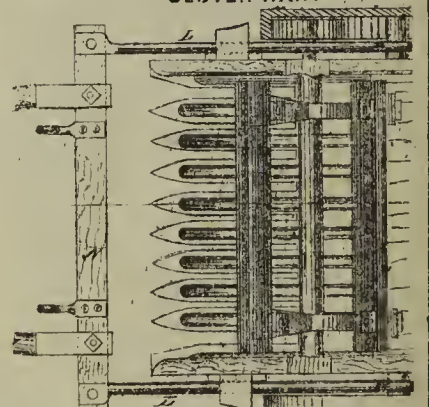
119,367. JACOB B. KNIGHT.
COTTON-PRESSES.



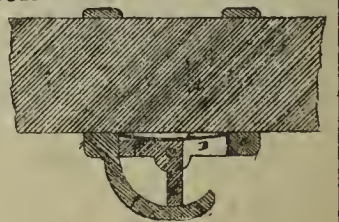
119,368. WILLIAM KNIGHT.
SLATE-FRAMES.



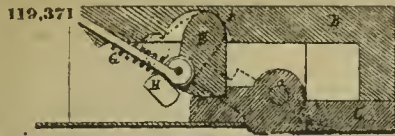
119,369. JONATHAN LAMBURN.
CLOVER-HARVESTER



119,370. JOHN A. LANNERT.
HOLD-BACKS FOR CARRIAGES.



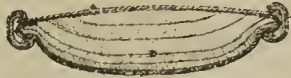
JOHN A. LANNERT. WHIFFLETREES.



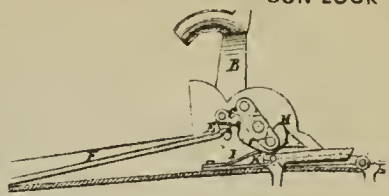
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JOSEPH B. MARSH

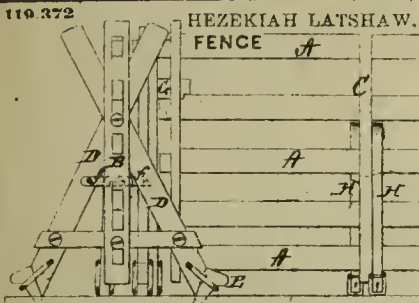
TRUSS-PADS.



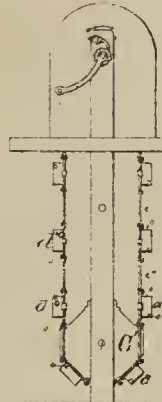
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GUN-LOCK

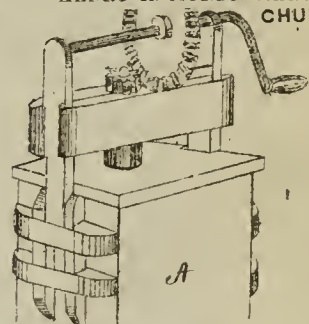
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HEZEKIAH LATSHAW.
FENCE

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ISAAC MAYFIELD,
WATER-ELEVATORS.

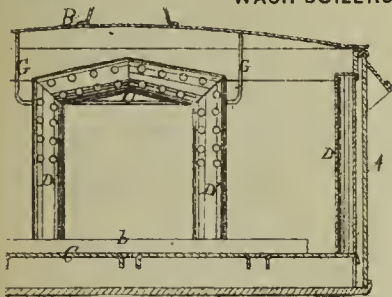
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HENRY H. MONTGOMERY.
CHURN

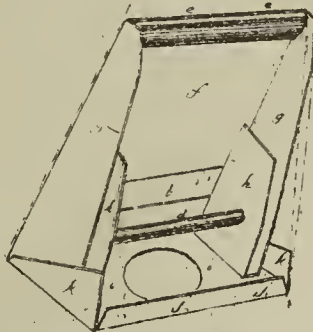
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GEORGE J. LEACH.

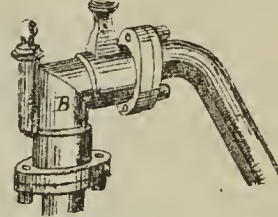
WASH-BOILERS.



119,381

WILLIAM McADAMS.
CALENDER

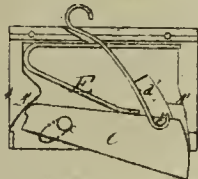
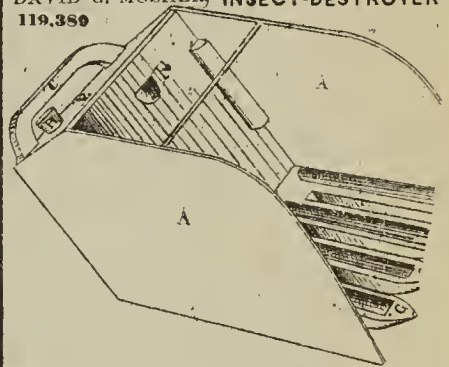
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GEORGE C. MORGAN.
ROTATING DROP-PIPES.

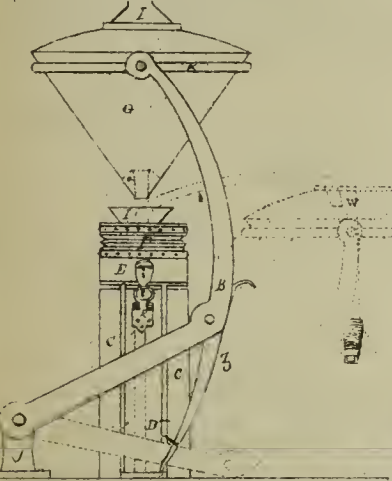
JOHN H. LEE

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GATE-LATCHES.

DAVID G. MOSHER, INSECT-DESTROYER
119,389

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ROBERT M. LINN,
FILTERING APPARATUS.

119,382

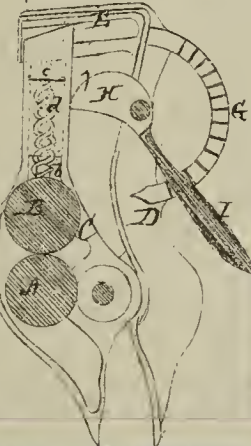
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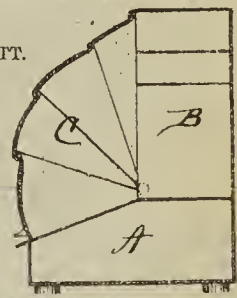
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THREAD-CUTTER

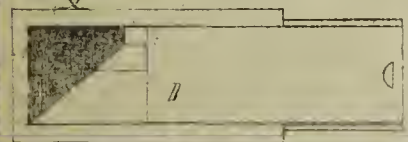
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CHARLES V. MEAD,
CLOTHES-WRINGERS.

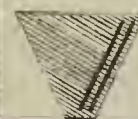
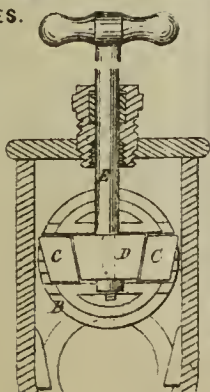
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HARCOURT MOTT.
OFFICE-DESKS.

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JOSEPH M. LOEWENSTEIN,
EARTH CLOSET

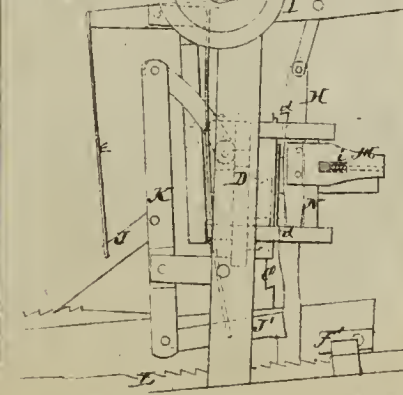
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JOHN MURPHY,
BILLIARD-CUSHIONHENRY G. LUDLOW, 119,378
SLIDING STOP-VALVES.

PETER F. MEREDITH,

BUTTER-WORKER

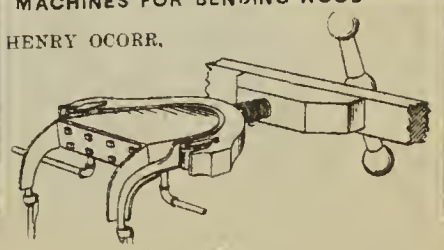
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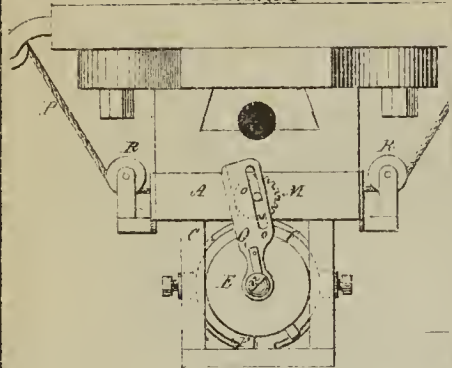
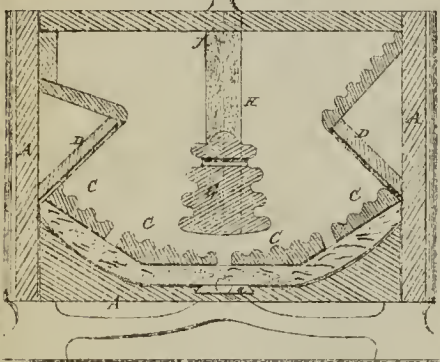


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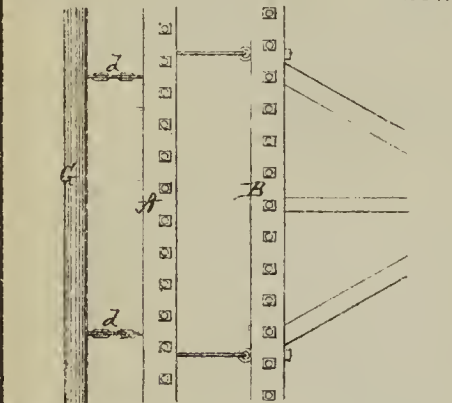
AUGUST NEUHAUSEN,
CANDY WHISTLES.

119,393

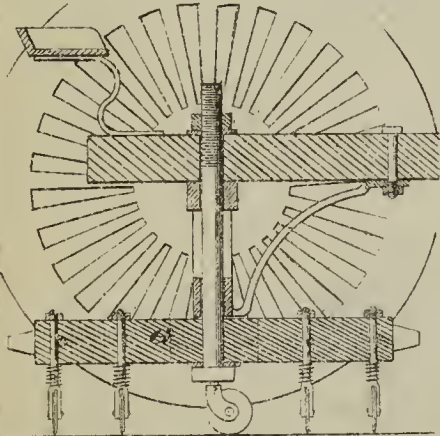
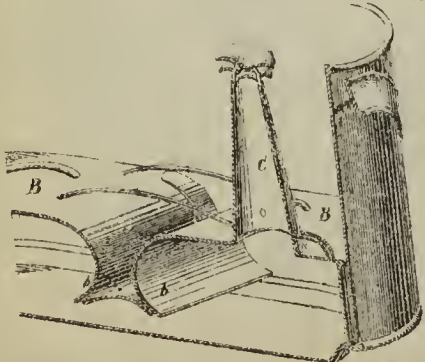
MACHINES FOR BENDING WOOD
HENRY OCORR.

119,395 SETH WHITE PAINE,
TOOL-HEADS119,396 JOSEPH H. PALMER,
WASHING-MACHINE

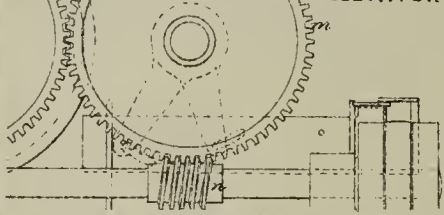
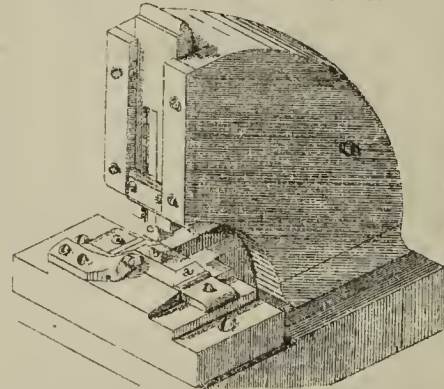
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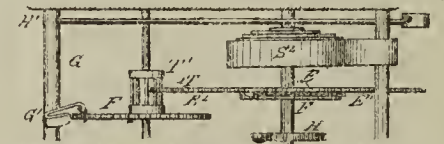
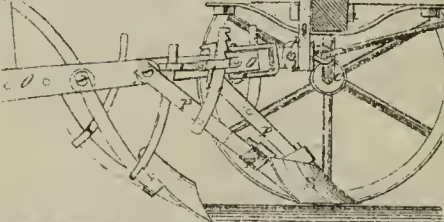
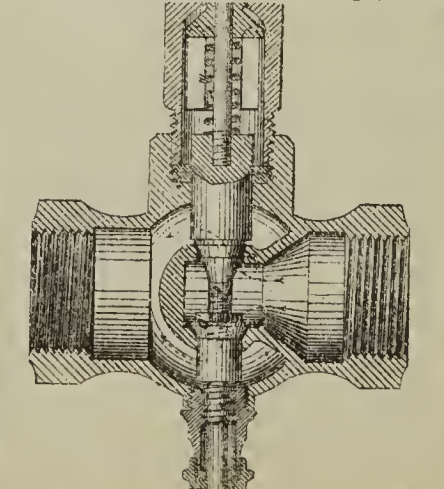
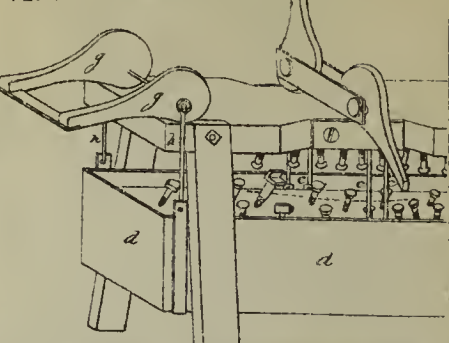
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119,399 HENRY W. PELL,
CLOTHES-WASHER

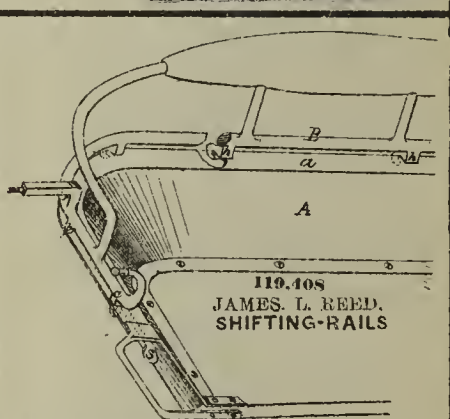
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WILLIAM H. PENROSE,
MILITARY EQUIPMENTS.119,401 FRANCIS B. PERKINS,
ELEVATOR119,402 CHARLES H. PERKINS,
POINTING HORSESHOE-NAILS.

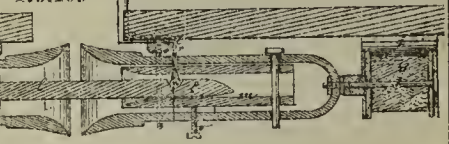
119,403 CHARLES E. PIERCE, ALARM-LOCK

119,404 WARREN M. PITTS,
WHEEL-CULTIVATOR119,405 JOSEPH B. POTTER,
AUTOMATIC GOVERNOR-VALVES.119,406 HENRY H. RAY,
TEMPERING APPARATUS.CHARLES A. READ,
HEELS FOR BOOTS AND SHOES.

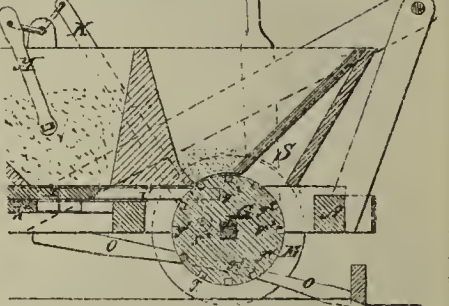
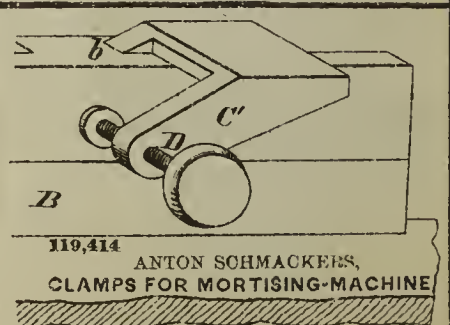
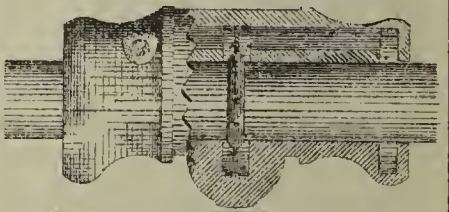
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SHIFTING-RAILS

HENRY R. ROBBINS, CAR-COUPLING

JOHN SAMPLE,
SEED-PLANTER

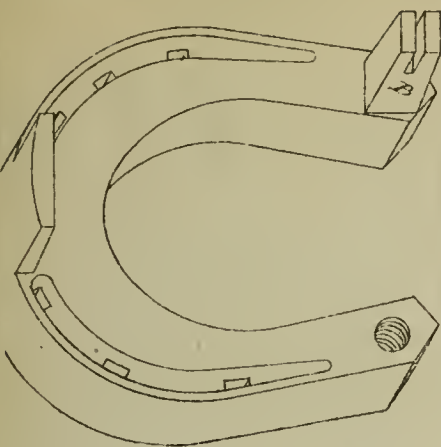
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119,412 JOHN SAULT,
SELF-OILING JOURNAL-BOX

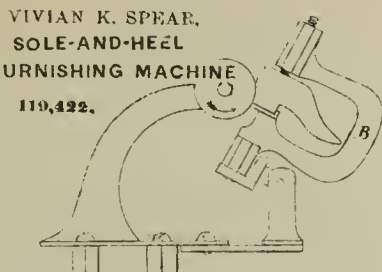
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ANTON SCHMACKERS,
CLAMPS FOR MORTISING-MACHINE

119,415 RUDOLPH SEIFFERT,
HORSESHOE

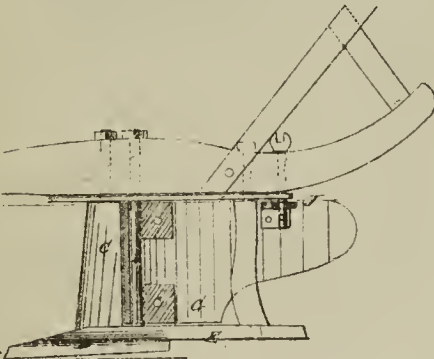


119,420 FRIDOLIN SMITH,
WAGON-HOUNDS.

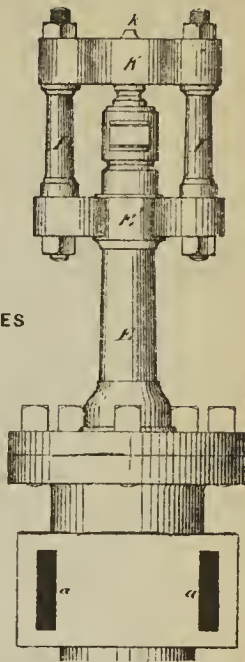


VIVIAN K. SPEAR,
SOLE-AND-HEEL
BURNISHING MACHINE
119,422.

119,123 WILLIAM W. SPEER,
DRILL, AND SIDE-HILL PLOWS.

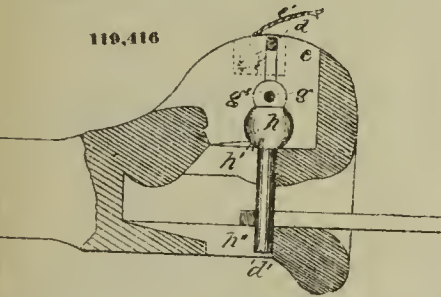


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JOHN F. SWEET,
BALANCED VALVES



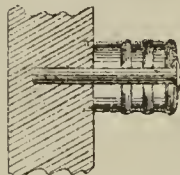
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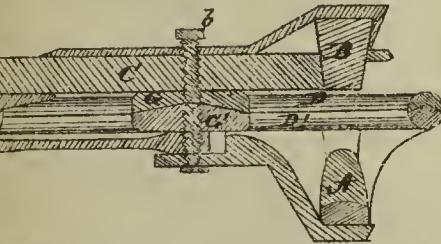


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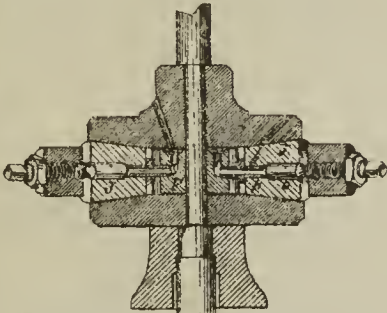
NATHAN THOMPSON,
KNOBS FOR DRAWERS.



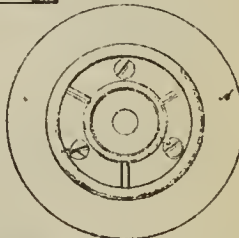
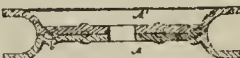
119,417 EUGENE W. SILSBY, FIFTH-WHEEL



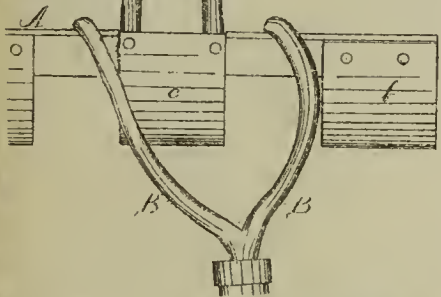
119,424 BRADFORD STETSON,
ANTI-FRICTION BEARINGS



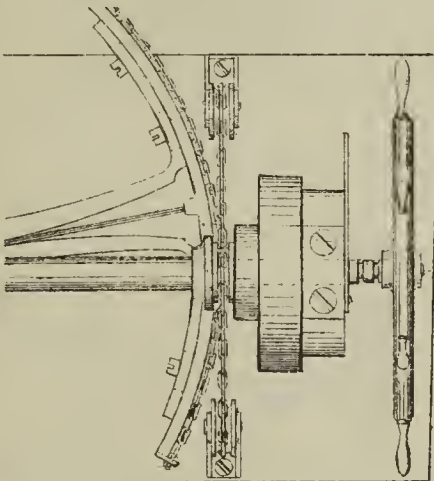
119,130 NATHAN THOMPSON,
PULLEYS, SHEAVES, AND WHEELS.



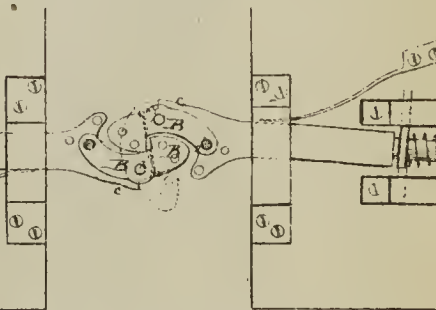
119,418 ZACHARIAH R. SIMS,
COTTON-HOE



119,425 JOSEPH W. STRANGE,
STEERING APPARATUS.



119,131 VAN HOESEN AND BROWN,
RAILWAY-CAR COUPLING

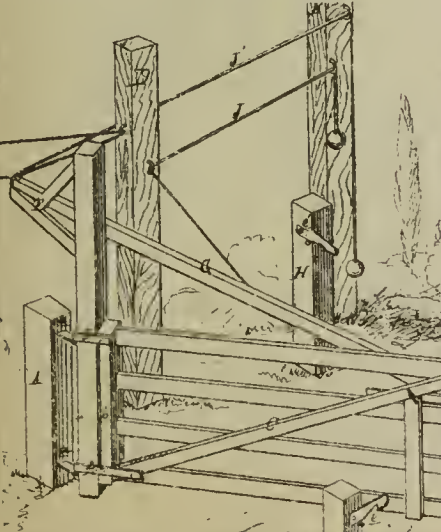


SKINNER AND SKINNER,
ROLLED STEEL-PLATES

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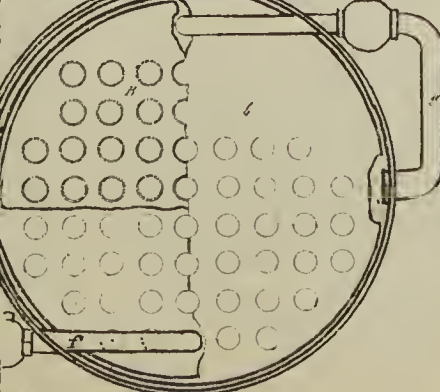


119,421 BYRON SNYDER, GATE



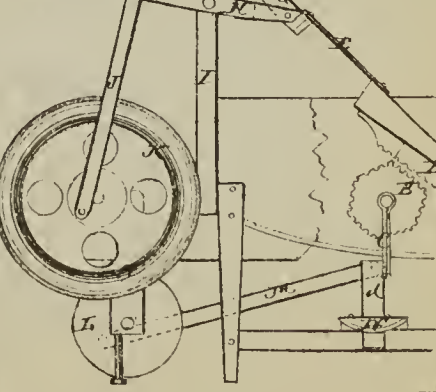
JOHN F. TAYLOR, FEED-WATER HEATER

119,428

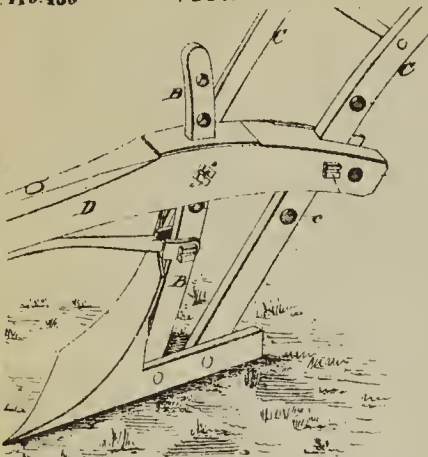


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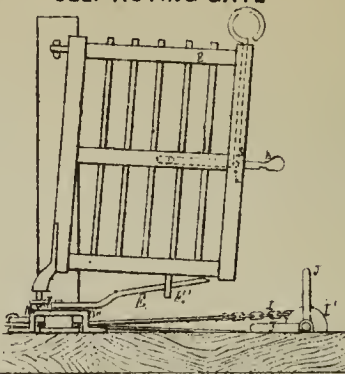
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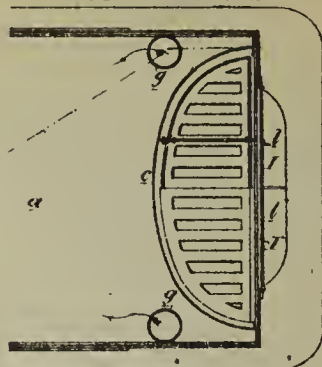
JAMES CUNNINGHAM VERTREES.
119,433 PLOW



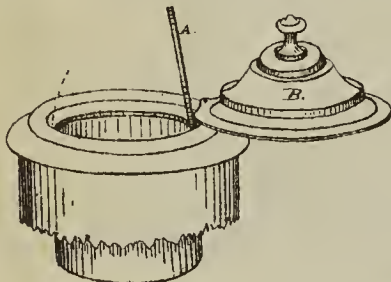
119,438 FRANKLIN WHITAKER,
SELF-ACTING GATE



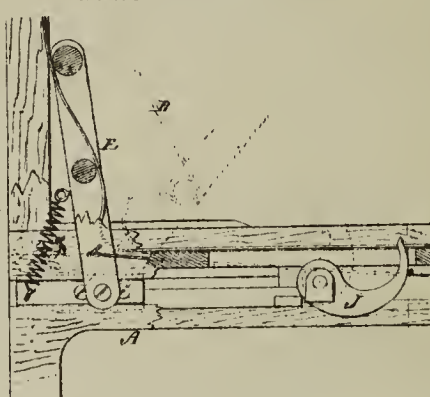
4,568 MARY ANN BOUGHTON,
COOKING-STOVE



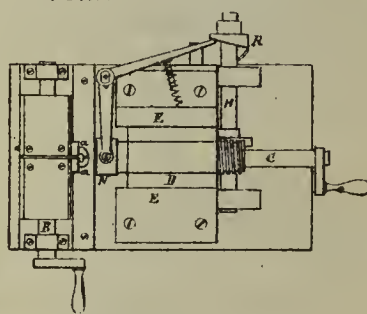
119,434 JACOB V. VROOMAN,
STOVE-COVERS



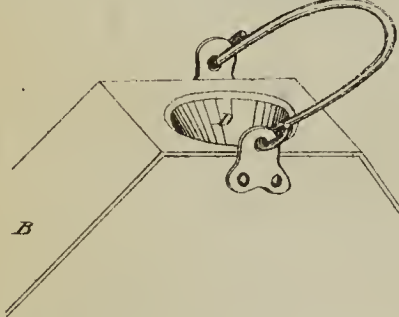
119,439 GEORGE WILLETT,
MANUFACTURING BRUSHES.



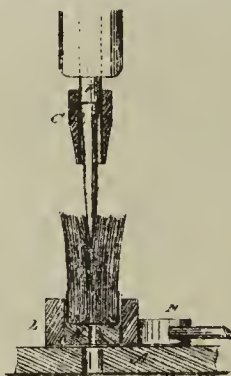
4,569 JAMES SWAN,
FORMING THE LIPS OF AUGERS.



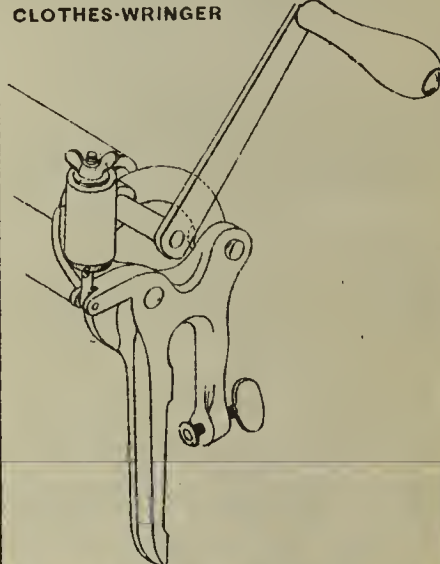
119,435 WILLIAM J. WEBB,
ROACH-AND-MOUSE TRAP



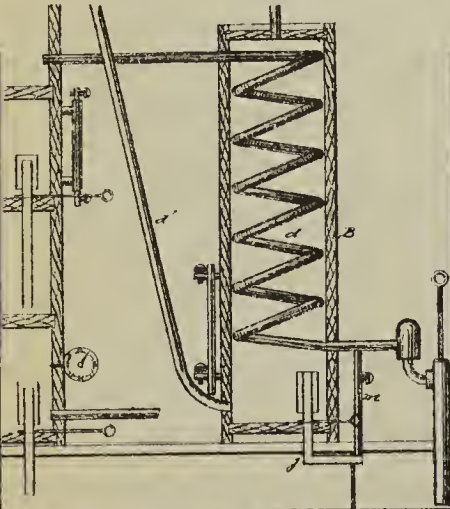
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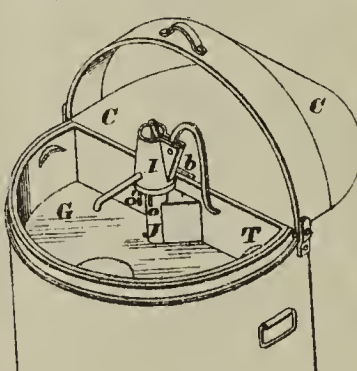
4,570 WASHINGTON WHITNEY,
CLOTHES-WRINGER



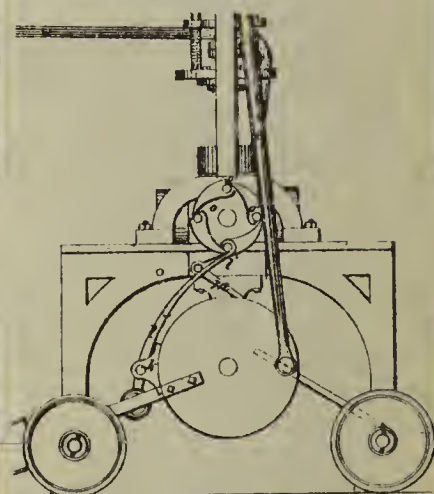
119,436 ERNST WERNER,
APPARATUS FOR DISTILLING.



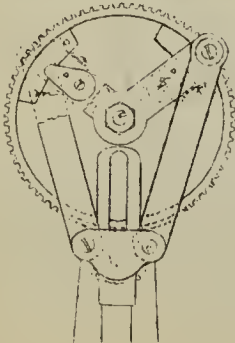
119,441 GEORGE D. WINGHELL, OIL-CAN



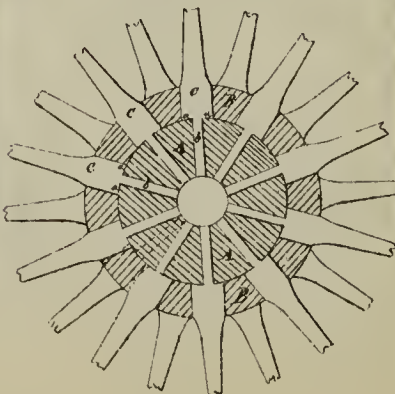
4,571 WILLIAM C. KING,
OPERATING GLASS-MOLDS.



119,437 HENRY F. WHEELER,
TRANSMITTING MOTION.



4,567 JAMES E. BAIRD,
WHEELS FOR VEHICLES.

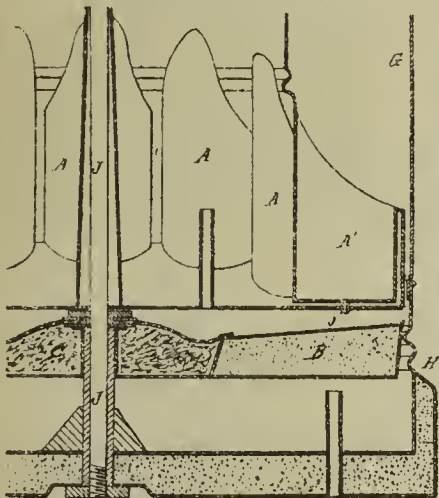


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LAMP

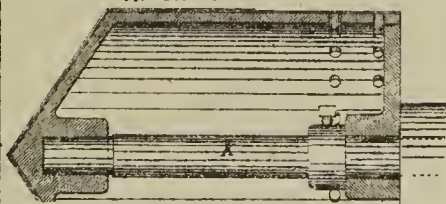


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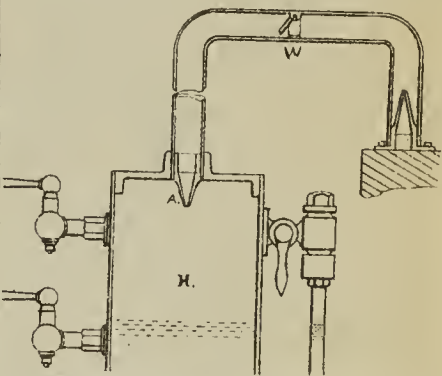
119,443 CYRUS AVERY,
REVOLVING REFRIGERATOR



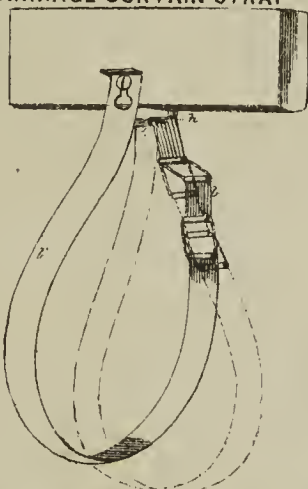
119,449 COOK AND HANFORD,
CAP-SHEARING BLOCK



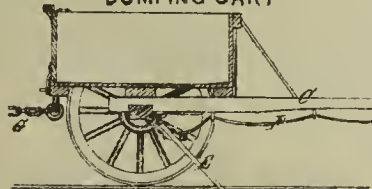
119,454 MORRIS DOYLE, WATER-GAUGE



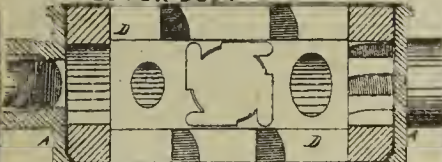
119,450 CORNELL AND MARSHALL,
CARRIAGE-CURTAIN STRAP



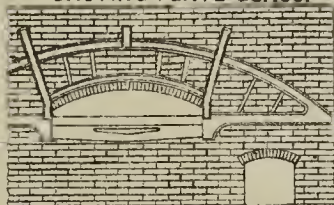
119,444 BENSON AND FALK,
DUMPING-CART



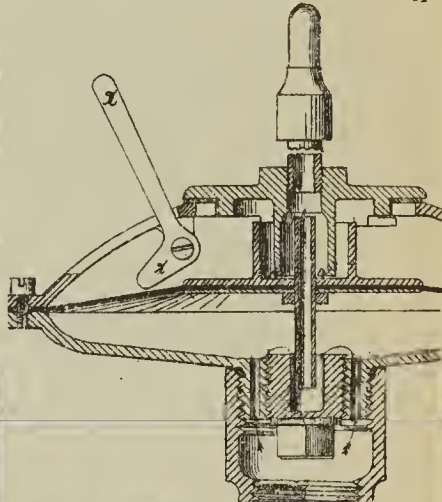
119,445 JOHN CARROLL,
DIES FOR CUTTING SCREWS.



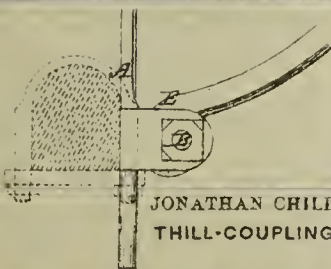
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CASTING PLATE-GLASS.



119,455 GEORGE S. DUNBAR,
EXTINGUISHING STREET GAS-LAMPS.

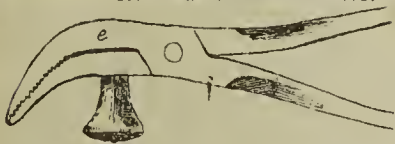


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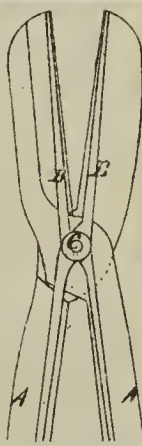
JONATHAN CHILDS,
THILL-COUPPLINGS.

119,447 ARTHUR CLARKE,
SHOEMAKERS' PINCERS.



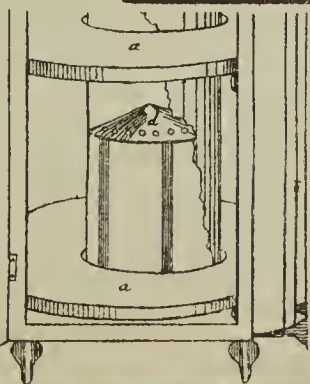
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JOHN F. CREIGHTON,
PRUNING-SHEARS.



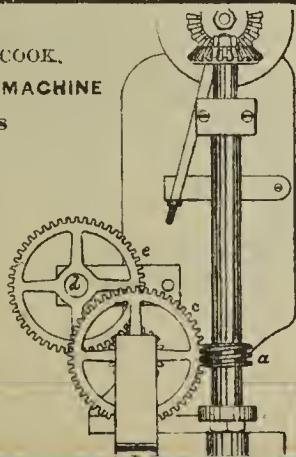
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HENRY DAVIS AND
RINALDO ALDEN,
REFRIGERATORS.

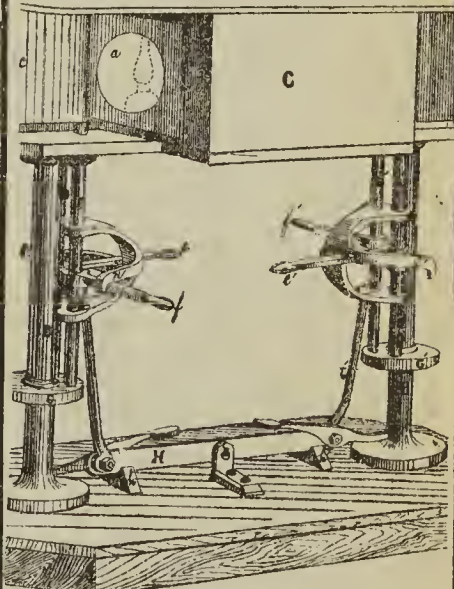


RICHARD COOK,
KNITTING-MACHINE

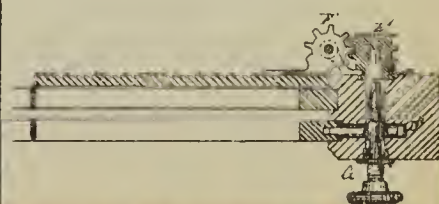
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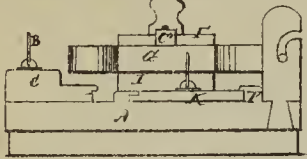
119,456 GEORGE F. FOLSOM,
SIGNALING DEVICES FOR RAILROADS.



119,457 LOUIS GATHMANN,
SASH-HOLDERS AND BLIND-OPENERS.

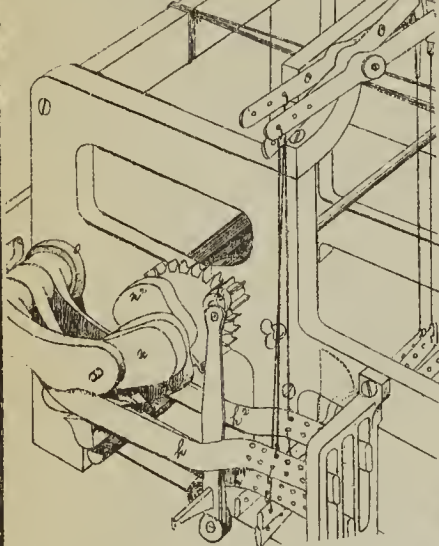


119,458 CZAR D. GOODMAN.
CLOTHING ORGAN AND MELODEON-VALVES.

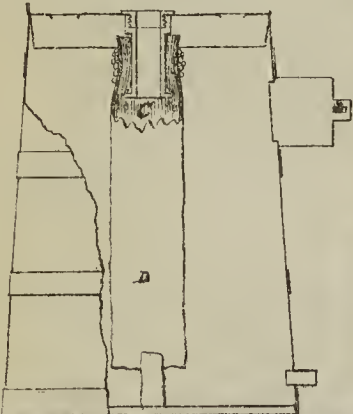


ROBERT BURNS GOODYEAR,
LOOM-HARNESS-OPERATING

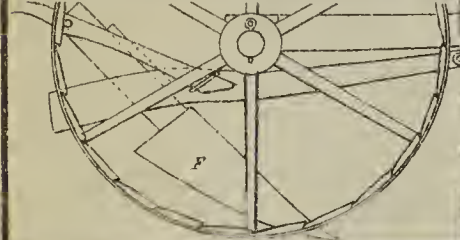
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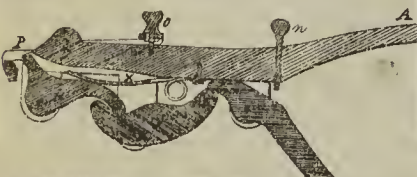
119,460 AUGUST GOTTSCHALK,
APPARATUS FOR CLARIFYING WINES.



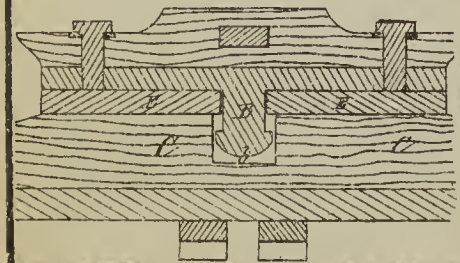
119,461 ISAAC HICKS, POTATO-DIGGER



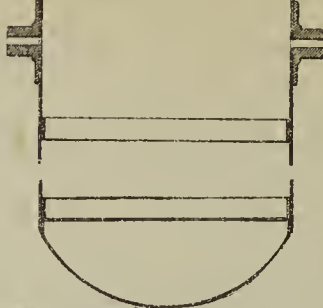
119,462 DAVID JONES. SAW-SET



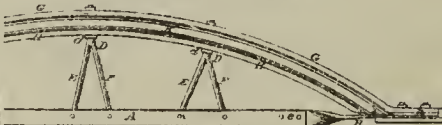
119,463 JAMES A. JUDD,
KING-BOLTS AND ROCKER-PLATES



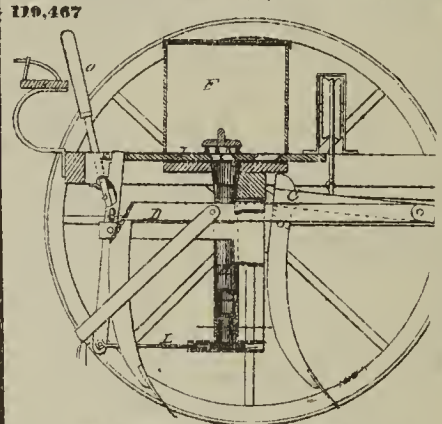
119,465 MORRIS L. KEEN. PAPER-PULP



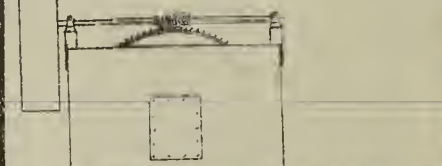
119,466 LEVI KITTINGER,
IRON-ARCH BRIDGES.



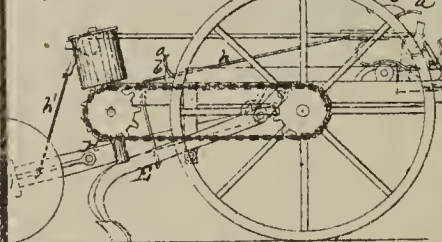
KNULL AND PENCE, CORN-PLANTER



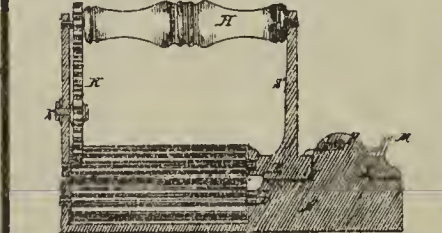
119,469 WILLIAM J. MENZIES
APPARATUS FOR GRINDING ROCK,



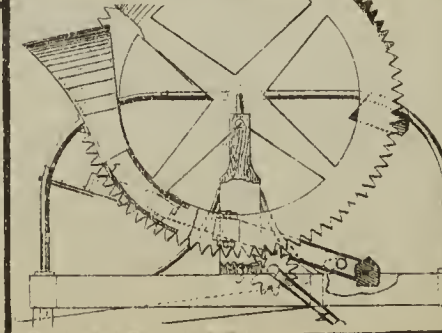
NELSON B. MOODY, CORN-PLANTER



119,471 FREDERICK MYERS,
SAD AND FLUTING-IRONS.



119,472 NEWTON A. PATTERSON
CIDER-MILLS.



119,473 ALFRED T. PERRINE,
HEELS FOR BOOTS AND SHOES.



GEORGE R. PIERCE,
BREECH-LOADING FIRE-ARMS.

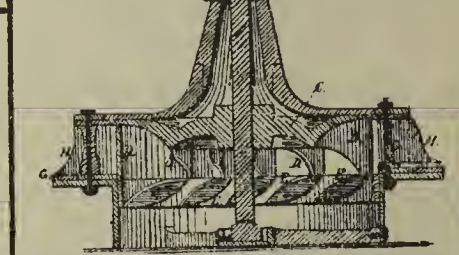
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119,475 SEABRED DODGE PRATT,
RAILWAY-CAR COUPLING

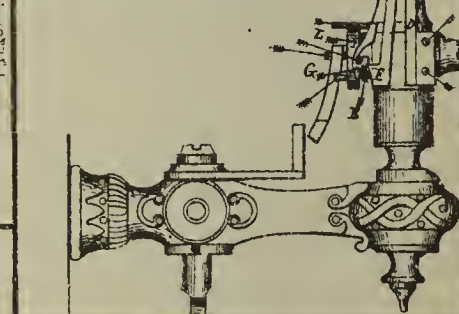


HENRY SHEARS. WATER-WHEEL

119,477

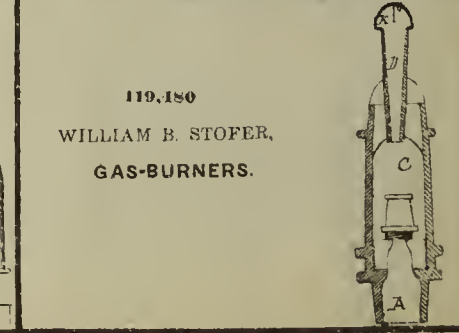


119,478 GEORGE E. SMITH,
SELF-CLOSING GAS-BURNER

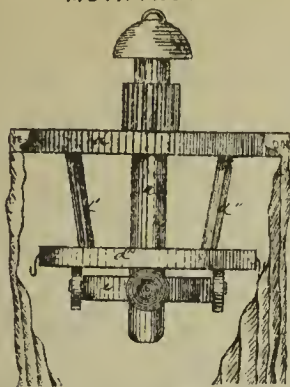
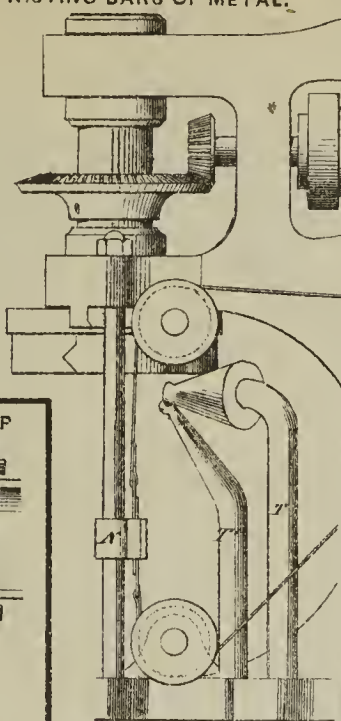
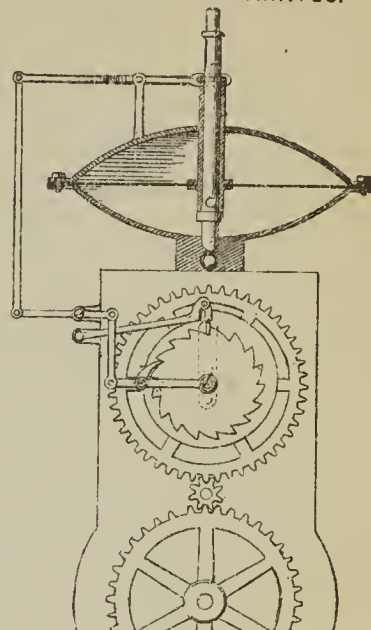


JOHN F. SMITH,
SHUTTER-FASTENER

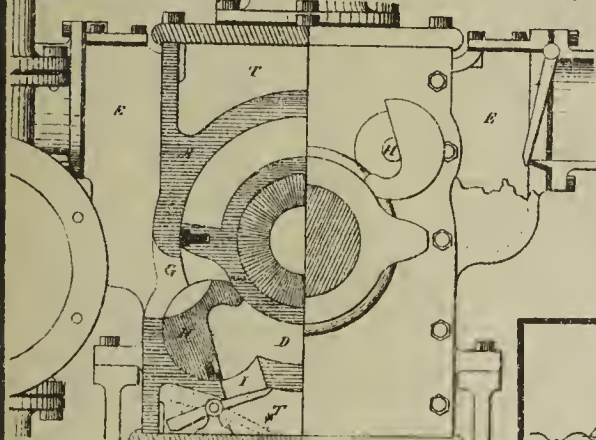
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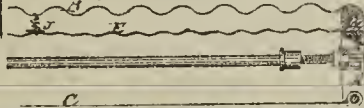
119,480 WILLIAM B. STOFER,
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119,491 FERDENAND F. VOIGT,
MOTH PROTECTOR119,496 ARTHUR DAVID WILLIAMS,
TWISTING BARS OF METAL.119,492 ALLEN AND DEWEY,
GAS-LIGHTING APPARATUS.

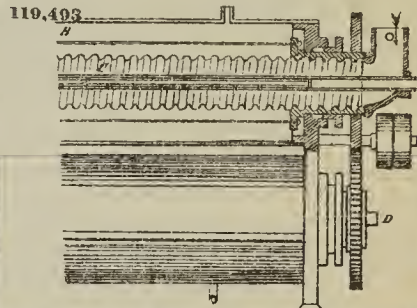
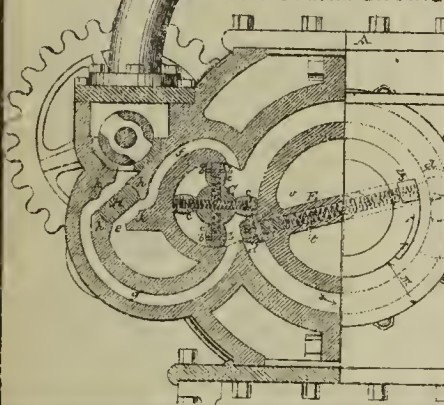
119,492 WILLIAM HENRY WARD, ROTARY PUMP



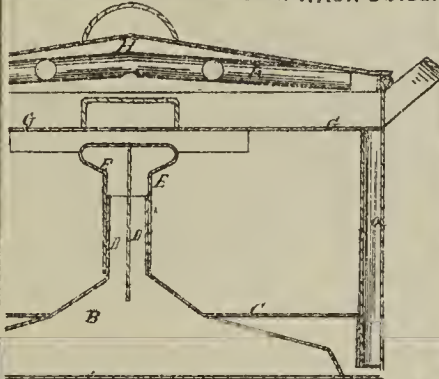
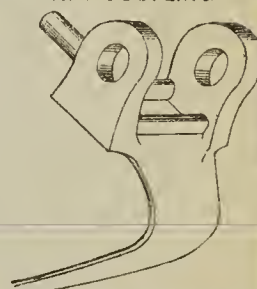
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GEORGE WILSON,
SPRING BED-BOTTOM

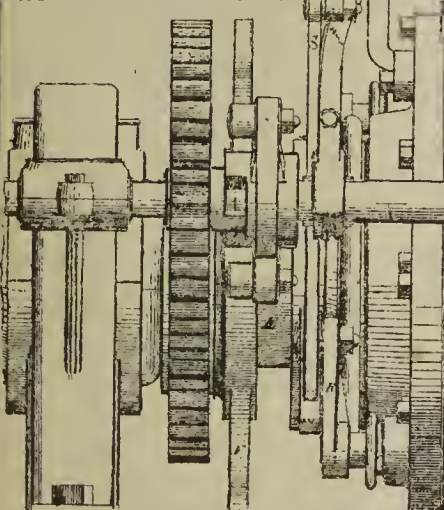
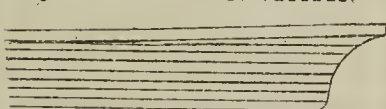
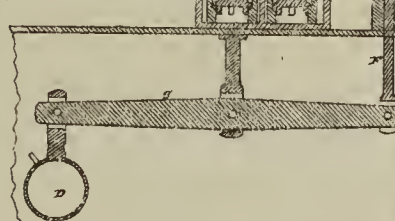
STEPHEN V. APPLEBY, GRAIN-DRIER

119,483 WILLIAM HENRY WARD,
ROTARY STEAM-ENGINE

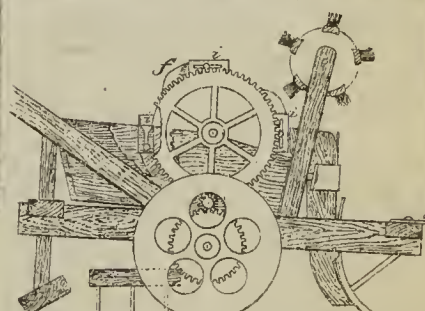
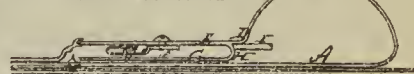
119,489 ELIAS M. WRIGHT, WASH-BOILER

119,494 SETH BARNUM,
WAGON-SHAFT COUPLING

119,484

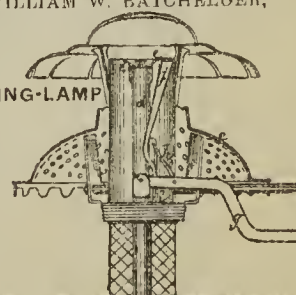
WILLIAM HENRY WARD,
ROTARY STEAM-ENGINE119,488 ADAM WINGARD,
CONSTRUCTION OF VESSELS.119,490 GEORGE AAB,
WATER-GOVERNOR

119,495 ANDREW P. BARRY, GRAIN-DRILL

119,496 ABEL H. BARTLETT,
SEWING-MACHINE

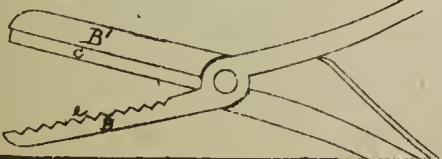
119,497 WILLIAM W. BATCHELDER,

SELF-LIGHTING-LAMP

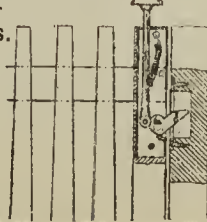


GUSTAVUS A. WARNER, GRAPE-PICKER

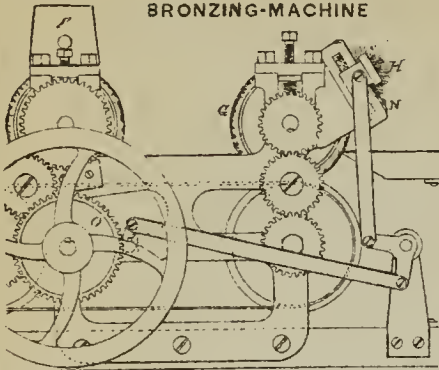
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HENRY D. ALDERFER,
LATCHES FOR GATES.

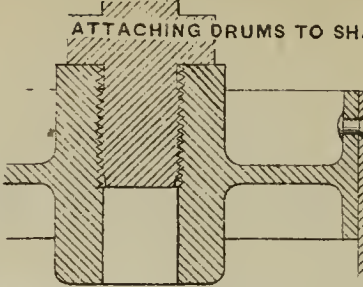
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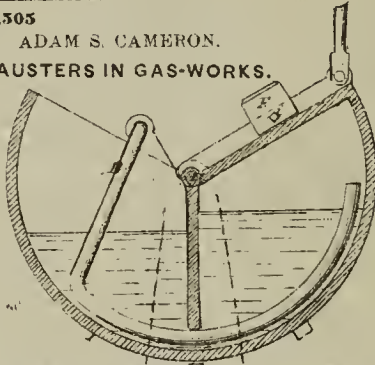
119,498 EDWARD F. BENTON
BRONZING-MACHINE



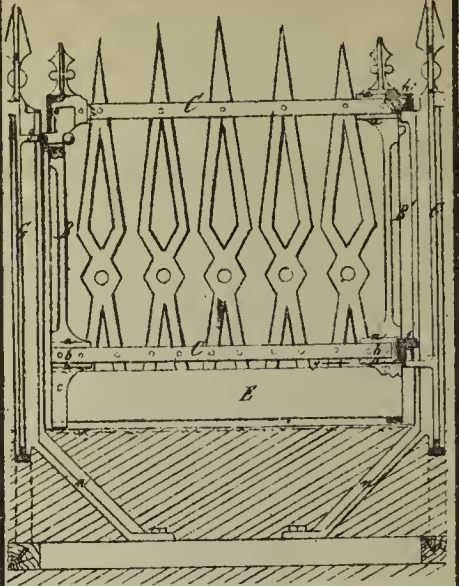
119,501 BENJAMIN G. BROOKS.
ATTACHING DRUMS TO SHAFTS.



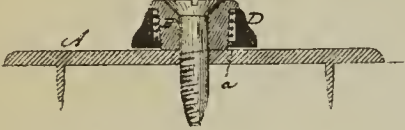
119,505 ADAM S. CAMERON.
EXHAUSTERS IN GAS-WORKS.



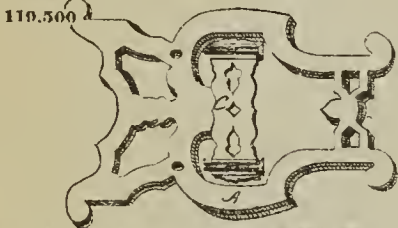
119,509 SAMUEL A. DARRACH. GATE



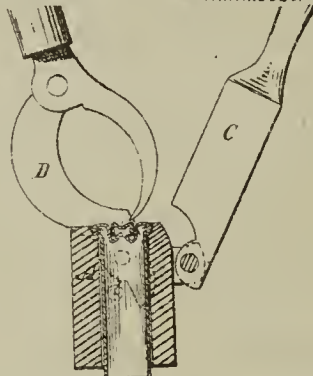
119,490 PURMORT BRADFORD,
TURN-BUTTONS FOR DOORS.



PURMORT BRADFORD. BLOWER-STAND

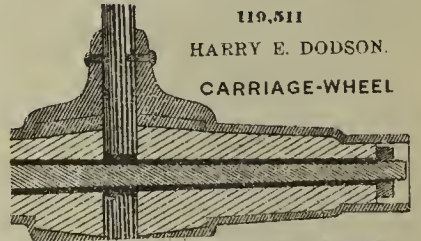


119,506 WILLIAM CLEWS.
EXTRACTING CAPS FROM CARTRIDGES.

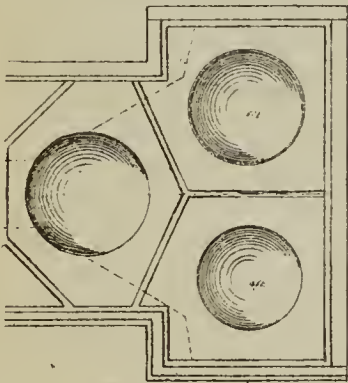


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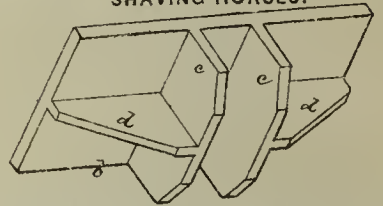
HARRY E. DODSON.
CARRIAGE-WHEEL



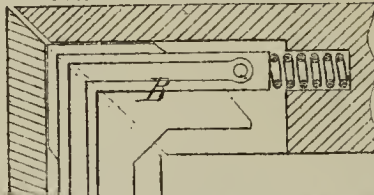
119,501 FRANCOIS M. BRIGNAC,
EVAPORATING CANE-JUICE.



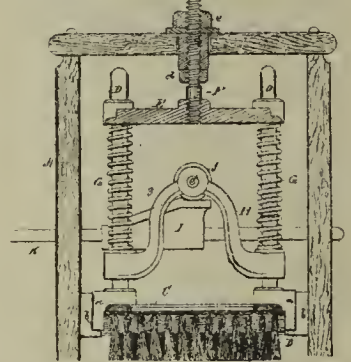
119,512 FRANKLIN J. ELDRED.
SHAVING-HORSES.



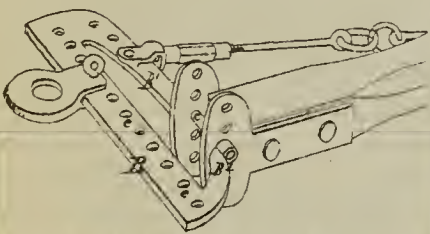
119,507 CROCKER AND BRAND
STRETCHERS FOR PICTURES.



119,513 EDWARD FITZHENRY,
SCOURING SKINS AND HIDES.

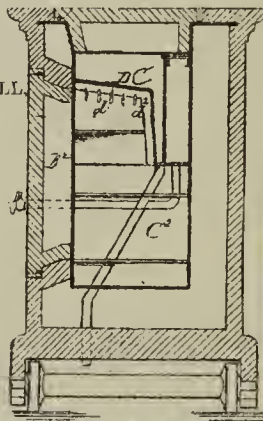


119,502 JERRY BRISON, PLOW-CLEVIS



DAVID CROMWELL
REFRIGERATOR

119,508

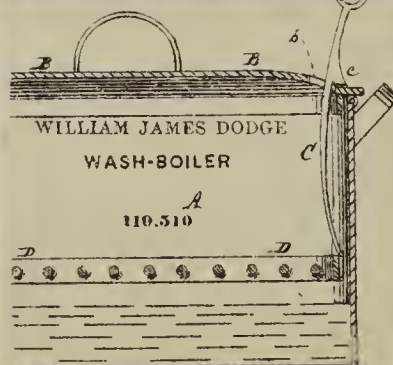
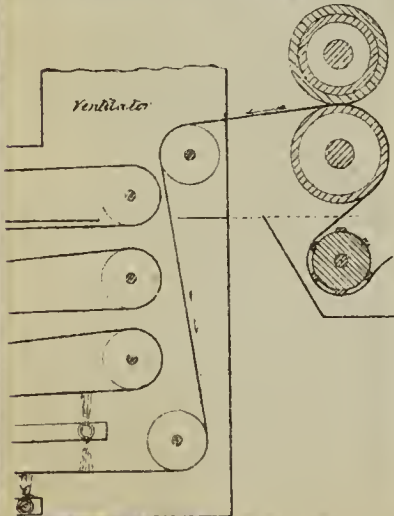


119,514

JOHN H. GOODFELLOW.
COOKING-STOVE



119,503 BENJAMIN G. BROOKS.
DISCHARGING EXTRANEUS COLORING MATTERS.



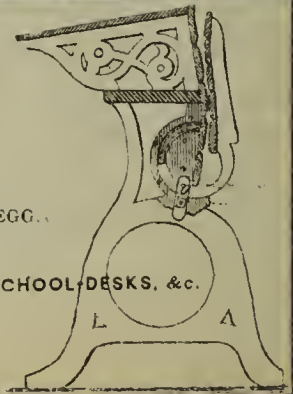
WILLIAM JAMES DODGE
WASH-BOILER

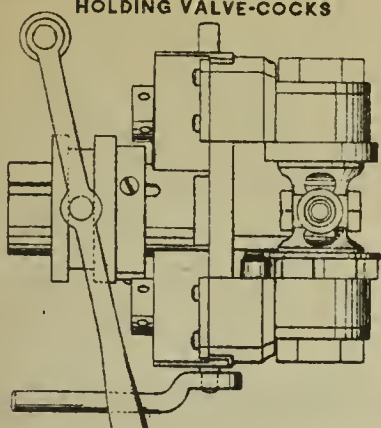
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119,515

THOMAS GREGG.

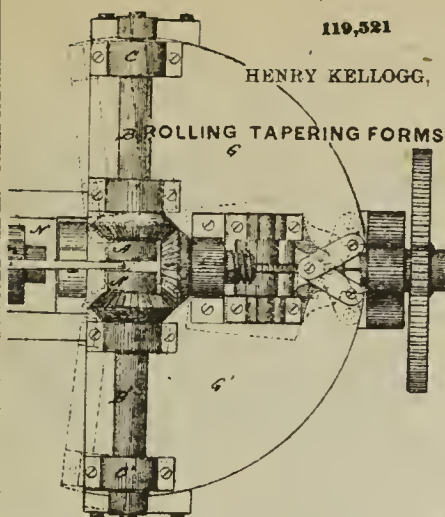
JOINTS FOR SCHOOL DESKS, &c.



119,516 JOSEPH L. HAYDEN,
HOLDING VALVE-COCKS

119,521

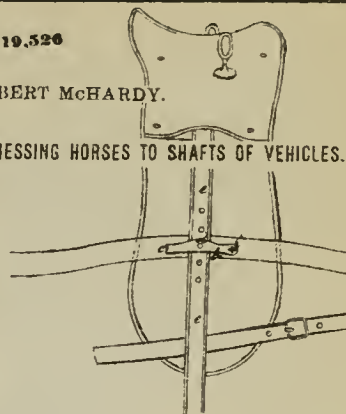
HENRY KELLOGG,



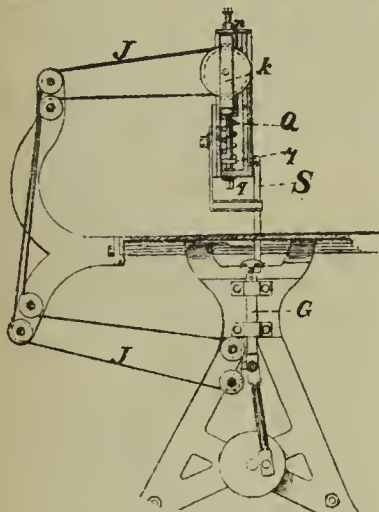
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ROBERT McHARDY.

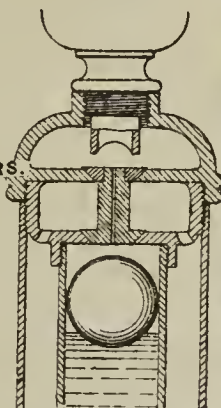
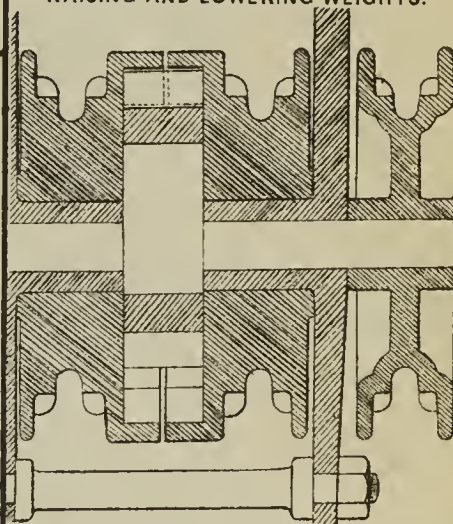
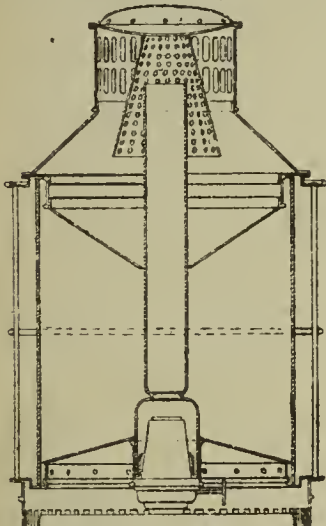
HARNESSING HORSES TO SHAFTS OF VEHICLES.



119,517 ISAAC HIRD, SCROLL-SAW



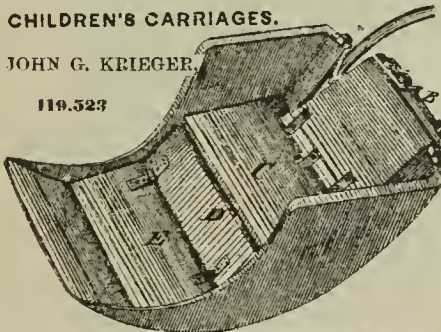
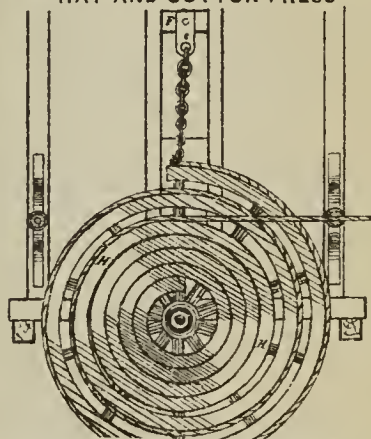
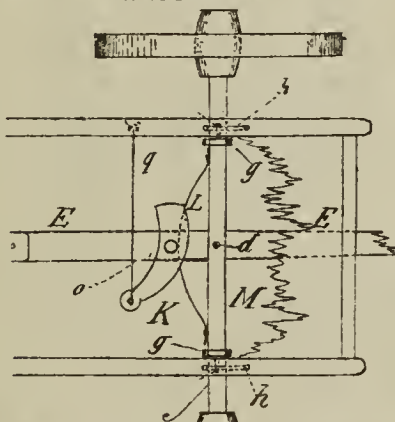
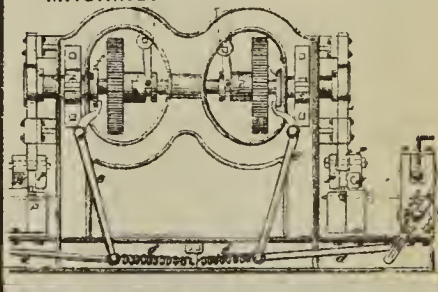
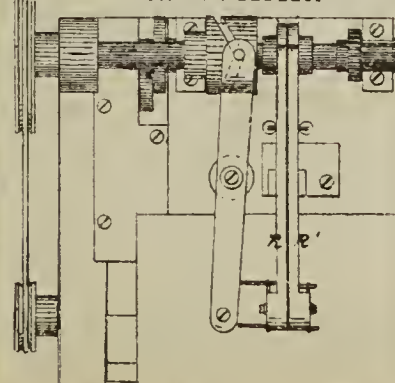
119,523

JOSEPH KIRK,
ALARM
FOR STEAM-BOILERS.119,527 THOMAS MOORE,
RAISING AND LOWERING WEIGHTS.119,518 HULL AND KAUFMAN,
LANTERN

CHILDREN'S CARRIAGES.

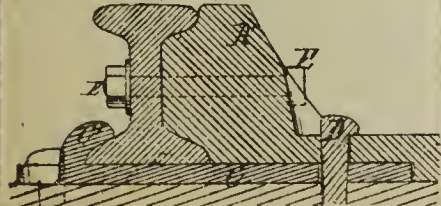
JOHN G. KRIEGER.

119,523

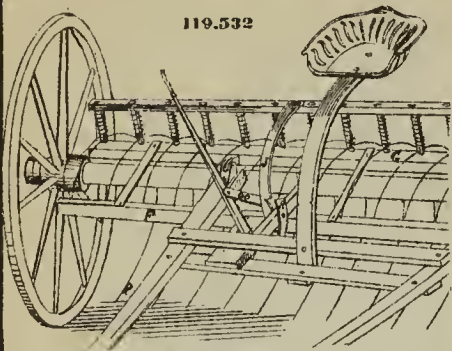
119,528 PETER L. NEGLEY,
HAY-AND-COTTON PRESS119,524 CHARLES M. LUFKIN,
WAGON-BRAKE119,529 NOLKER AND MORGAN,
MACHINES FOR MAKING STAPLES.119,519 STEPHEN H. INGERSOLL,
WOOD PAVEMENTS119,525 FRANCIS W. MALLET,
POLISHING NEEDLES.119,530 LOUIS L. NORTHUP,
ATTACHMENTS FOR EAR-DROPS.

119,531

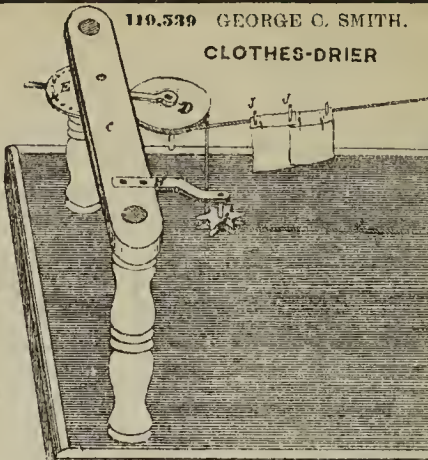
JAMES A. PETTET.

THIMBLES AND
THREAD-CUTTERS.119,520 GRANVILLE E. JARVIS,
RAILWAY-RAIL CHAIRS.

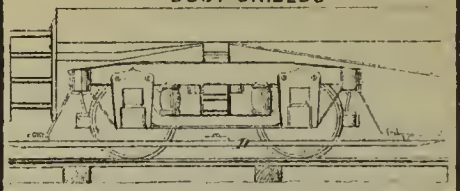
PETER PFEIFER. HORSE HAY-RAKE
119,532



119,539 GEORGE O. SMITH.
CLOTHES-DRIER

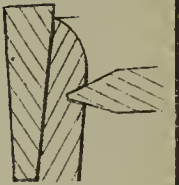


119,515 WILLIAM M. K. THORNTON,
DUST-SHIELDS



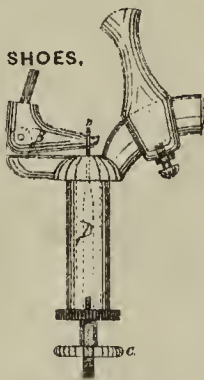
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JAMES TOMLINSON,
BARREL



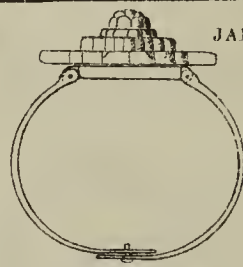
JOHN E. PLUMMER.
JACKS FOR FINISHING SHOES.

119,533



119,534

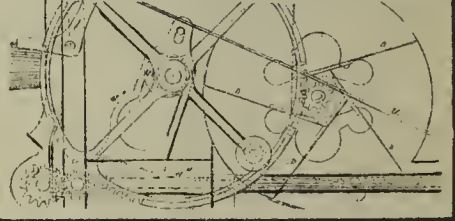
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SASH-HOLDER



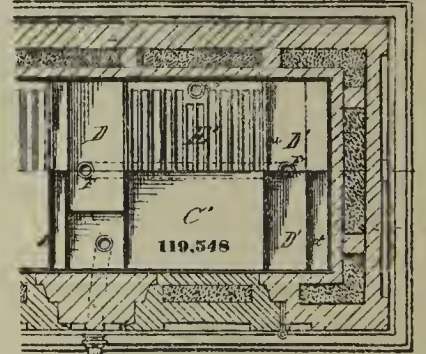
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BRACELET

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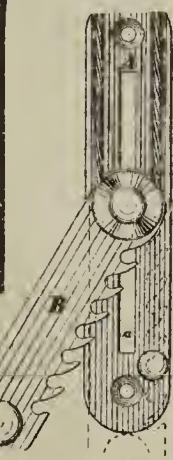
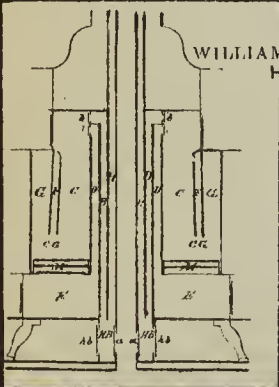
119,517 PETER SPOHN VAN WAGNER,
DESTROYING INSECTS.



JOHN B. WEBSTER. REFRIGERATOR

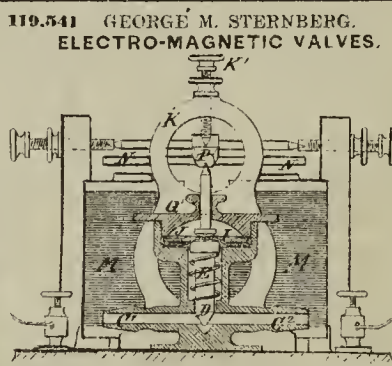


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WILLIAM FRAZIER ROSS,
HEATING-STOVE



119,536

SCHMIDT AND SCHMIDT.
CURTAIN-RACK

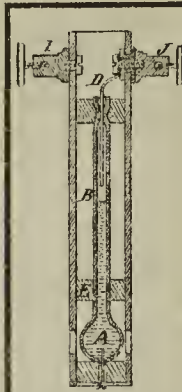


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ELECTRO-MAGNETIC VALVES.



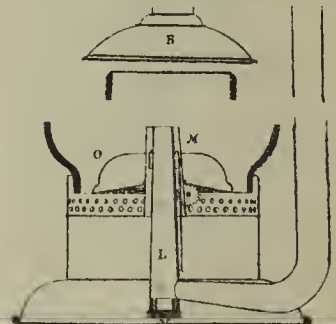
GEORGE M. STERNBERG.
THERMOMETER

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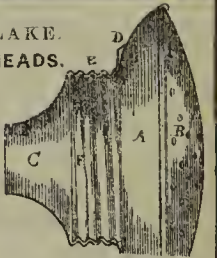
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THERMOMETER
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119,549 WILLIAM WESTLAKE, LANTERN

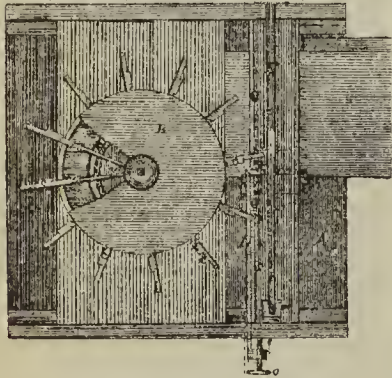


WILLIAM WESTLAKE.
SPRINKLING ROSE-HEADS.

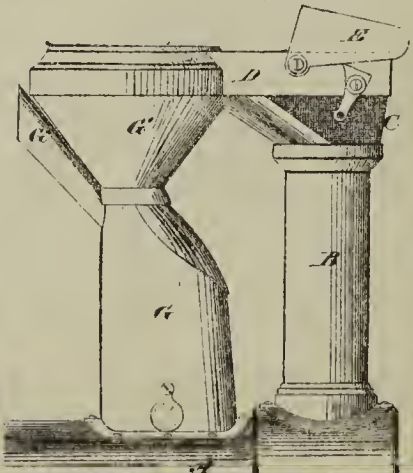
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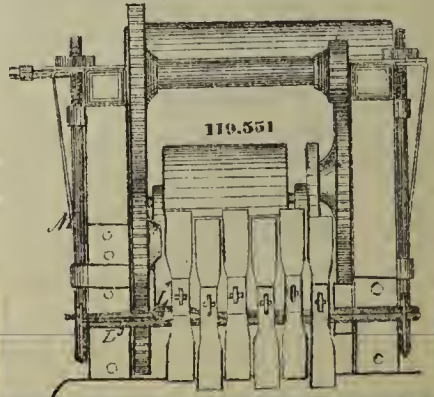
119,537 ALEXANDER SHILAND,
PRODUCING STEREOTYPE MATRICES.



119,514 WILLIAM M. K. THORNTON,
SPARK-ARRESTER

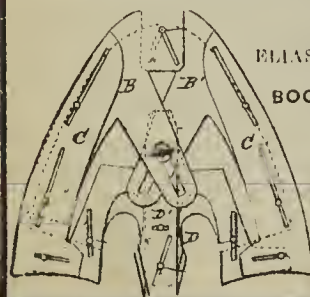


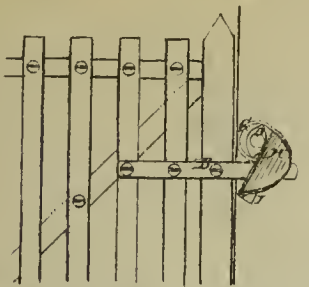
JOHN L. VOUNT, DRESSING MILLSTONES.



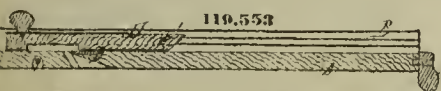
ELIAS SHOEBELL.
BOOT-PATTERN

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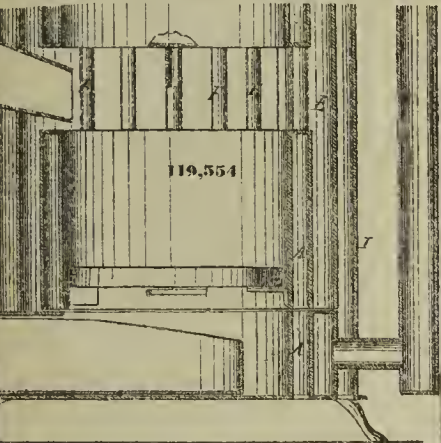


119,552 JESSE H. ALLISON.
LATCHES FOR GATES AND DOORS.

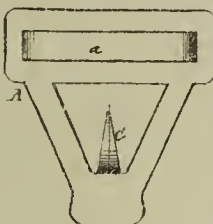
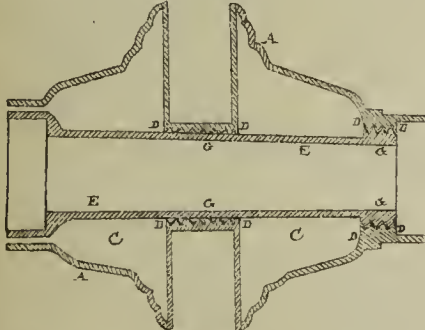
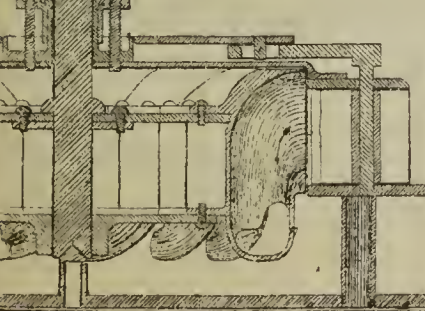
HIRAM BALDWIN, VEGETABLE-CUTTER



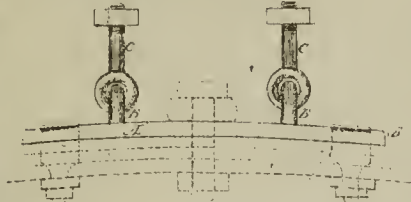
JOSEPH C. BARNES, HOT-AIR FURNACE



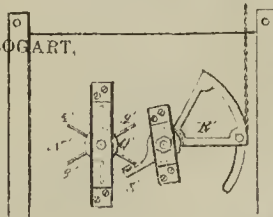
ABEL H. BARTLETT, SEWING-MACHINE

HENRY BEAGLE, JR.,
BACK-BAND HOOK119,557 WILLIAM BEAUCHAMP,
HUBS AND SPOKES.119,558 ASA BEE,
TURBINE WATER-WHEEL

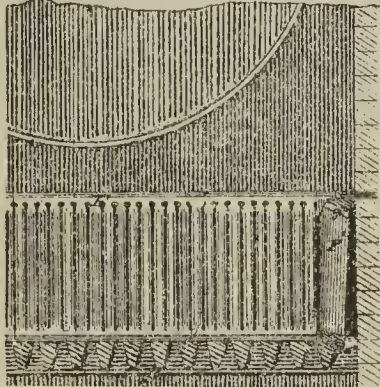
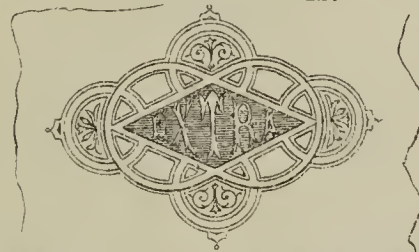
119,559 THOMAS M. BELL, MILK-CAN

119,560 ORRIN E. BENNETT.
CARRIAGE-SPRING ATTACHMENTS.ABRAHAM L. BOGART,
LIGHTING GAS-JETS

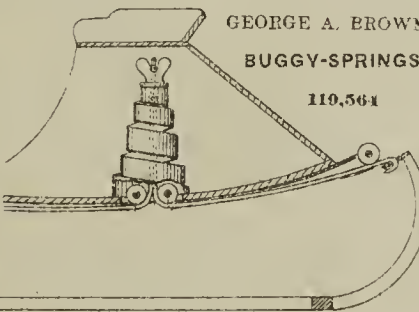
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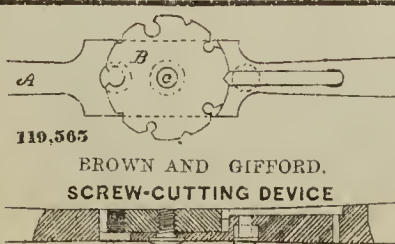
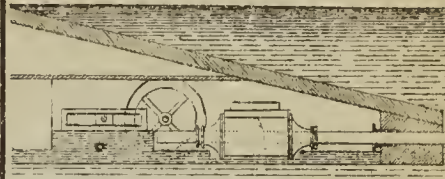
119,562 ETIENNE BOILBAU, FIRE-PLATE

119,563 THOMAS W. BRACHER,
ORNAMENTING LABELSGEORGE A. BROWN,
BUGGY-SPRINGS

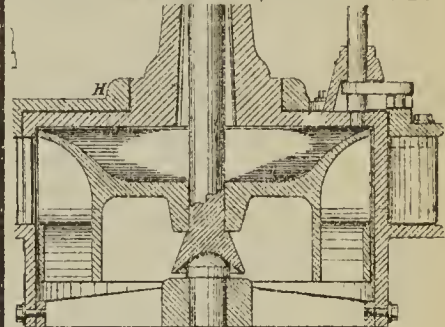
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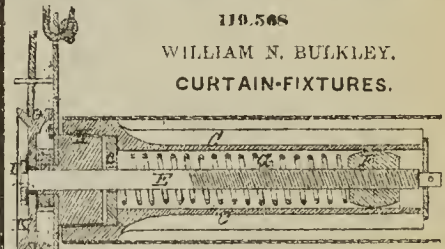
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BROWN AND GIFFORD,
SCREW-CUTTING DEVICE119,566 WILLIAM BROWN,
RAMS FOR NAVAL WARFARE.

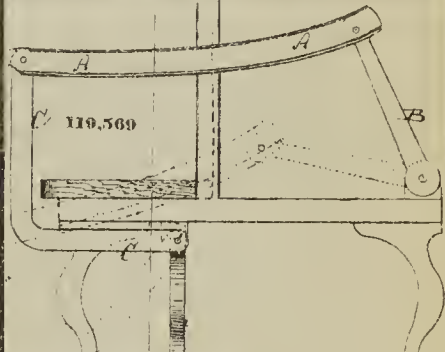
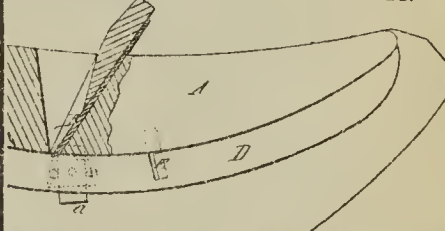
119,567 ORRIN BRYANT, WATER-WHEEL



119,568

WILLIAM N. BULKLEY,
CURTAIN-FIXTURES.

ISAAC S. BUNNELL, BREAD-CUTTER

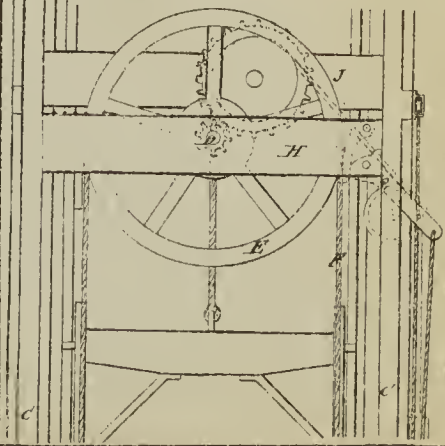
119,570 ANTHONY BUSENGER,
COOPERS' CROZES AND HOWELS.

CEPHAS A. BUTTLERS, STOVE-PIPE THIMBLE

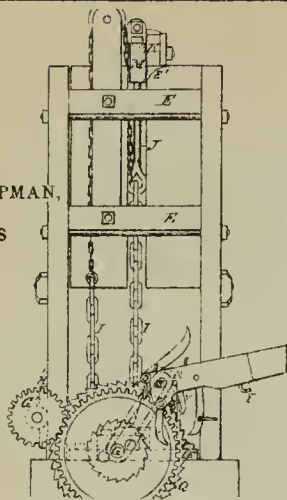
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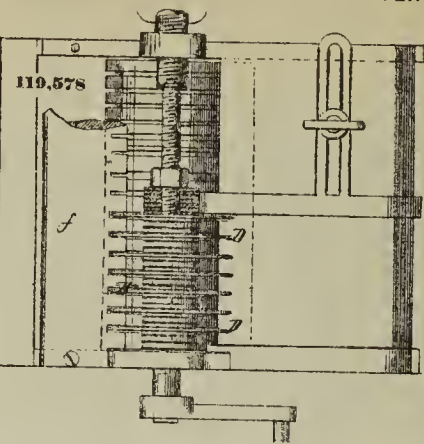
119,572 PATRICK BYRNE, ELEVATOR



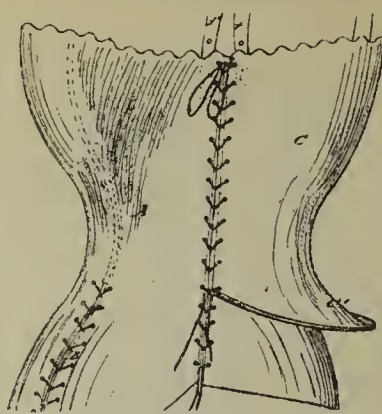
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NATHAN CHAPMAN,
BALING-PRESS

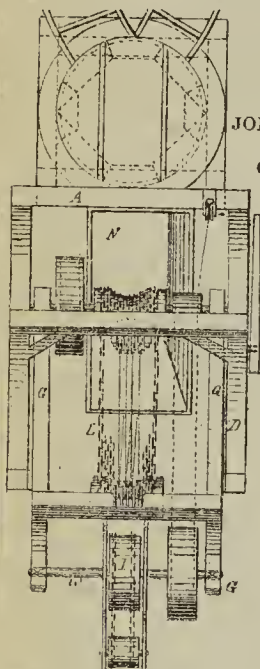
RICHARD CROCKER, STRAP-CUTTER



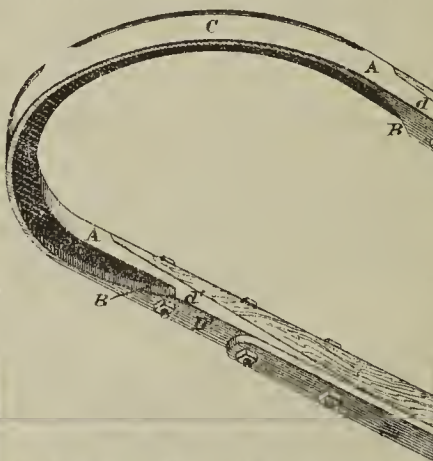
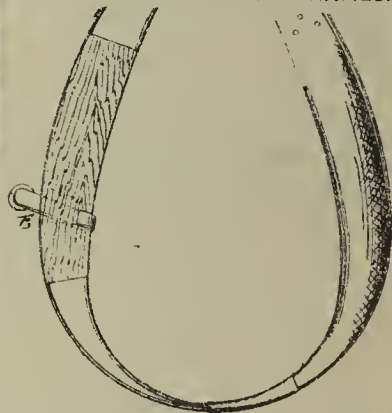
119,583 REBECCA DE BAUN, CORSET



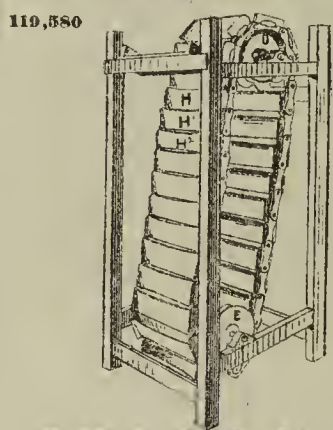
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JOHN C. CLIFFORD,
COAL-ELEVATOR

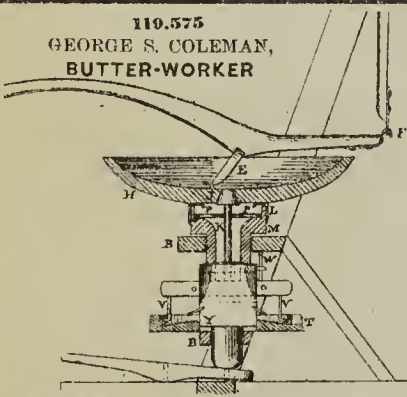
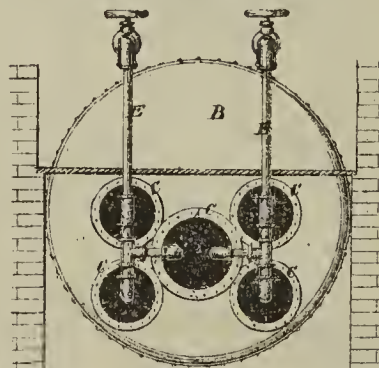
119,579 JOHN CURTIS, CARRIAGE

119,584 ALPHONSE DE MAN,
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HORSE-COLLARS AND HAMES.

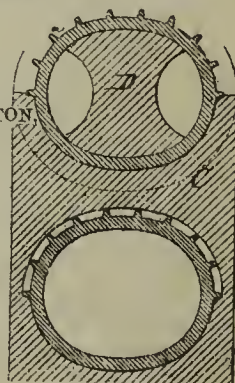
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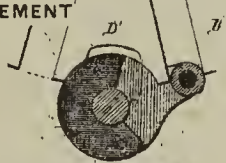
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GEORGE S. COLEMAN,
BUTTER-WORKER119,581 CHARLES DASENBROCK,
CLEANING BOILER-FLUESHENRY H. EDGERTON,
GAS-RETORT

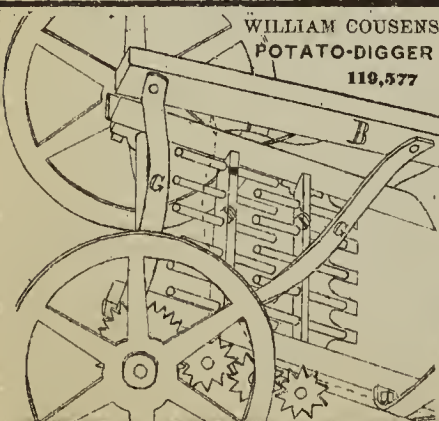
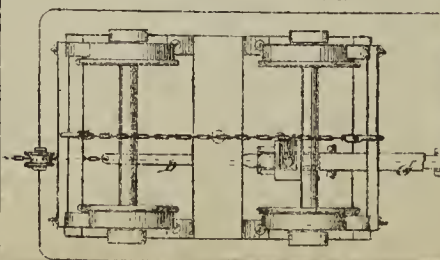
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JOHN H. COOPER,
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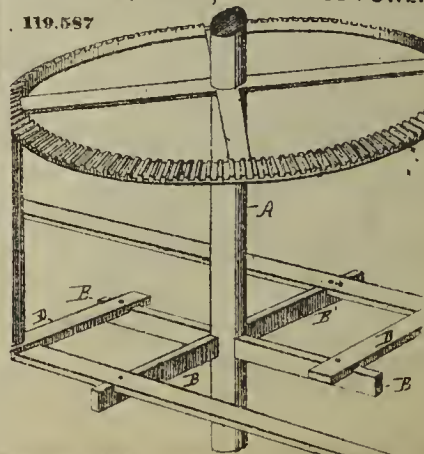
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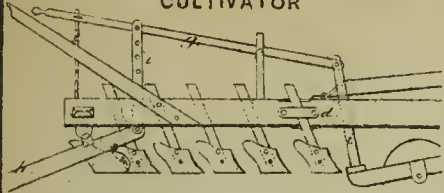
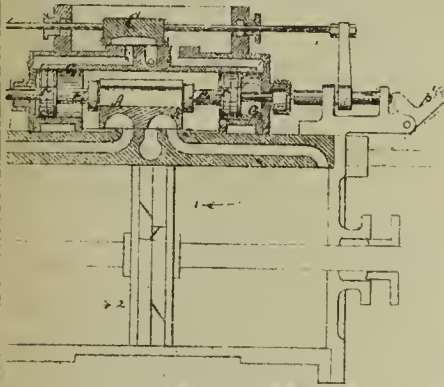
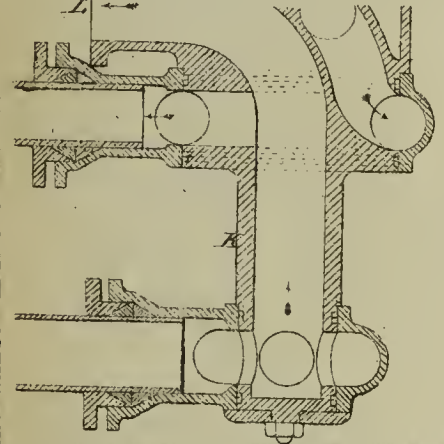
WILLIAM COUSENS,
POTATO-DIGGER

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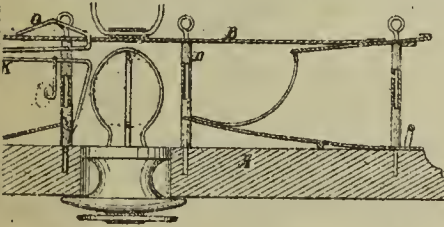
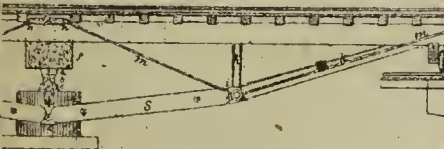
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RAILWAY-CAR BRAKECHARLES M. ERWIN,
HORSE-POWER

119,587

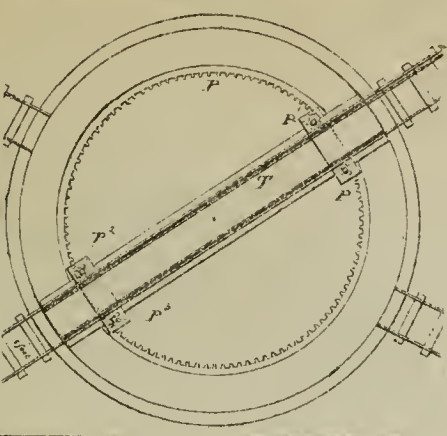
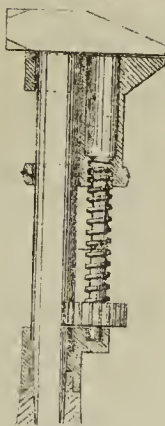


119,588 CHARLES ESCUDIER
CULTIVATOREDWARD M. ESTABROOK.
TENSION-REGULATOR
119,589EVANS, THOMAS, AND HUNT.
119,590 VALVE-GEAR119,591 ROBERT FRANCIS FAIRLIE,
LOCOMOTIVE-ENGINE

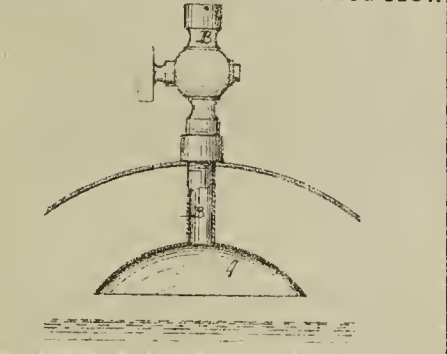
119,592 THOMAS FELL, ANIMAL-TRAP

119,593 CHARLES H. FISHER.
TURN-TABLES FOR RAILWAYS.HENRY FOUST.
ANIMAL-TRAP
119,594

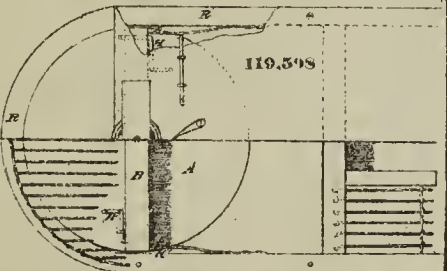
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JOHN GATES,
WRENCH
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119,597 JOHN GATES. SURFACE-BLOW



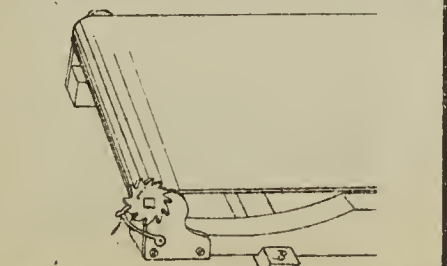
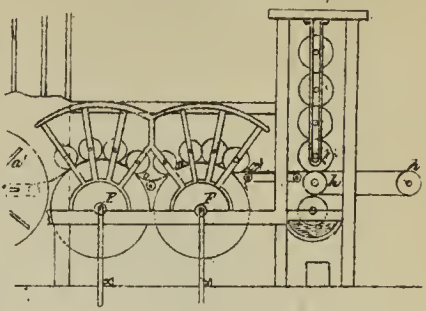
LEVI F. GEORGE, RAT AND MOUSE-TRAP



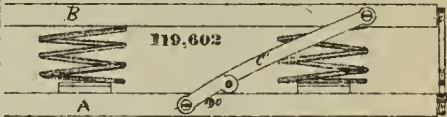
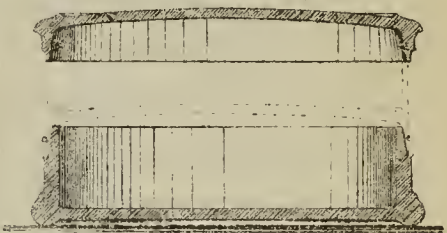
119,599 JOHN GIBSON, JR., BANK-NOTE



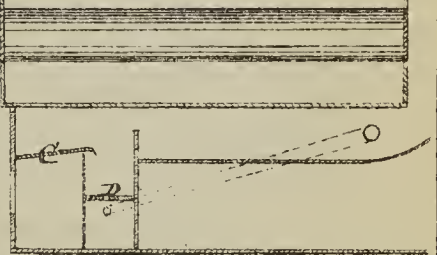
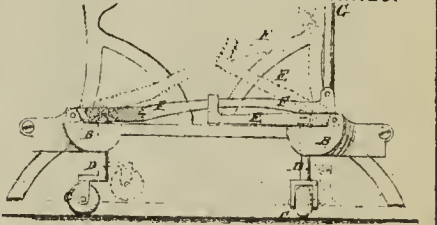
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119,601 JAMES KENT GRIFFIN,
MANUFACTURE OF PIPES,

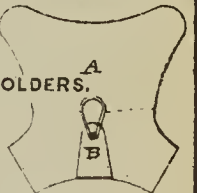
GEORGE C. GRUT, SPRING BED-BOTTOM

119,603 THOMAS BRIAN GUNNING.
COMPOSITION BOX

119,604

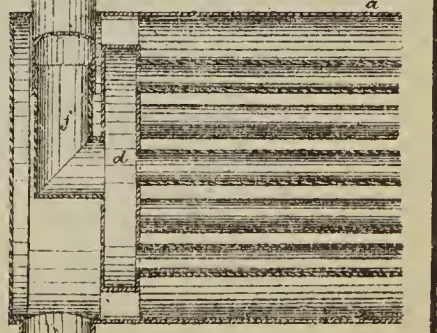
EDMUND S. HANNA,
PAPER WASHER119,605 CHARLES J. HARRIS,
FURNACES FOR STEAM-BOILERS.119,606 WARREN D. HATCH,
CASTERS FOR SEWING-MACHINES.HAYDEN AND HART,
SCARF OR NECK-TIE HOLDERS.

119,608

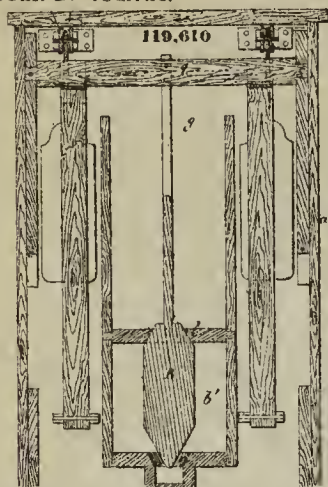
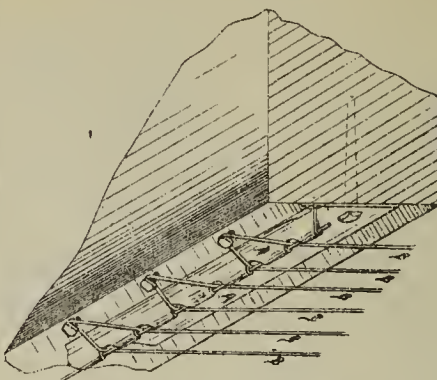


BEN JAMES HOBSON. STOVE-PIPE DRUM

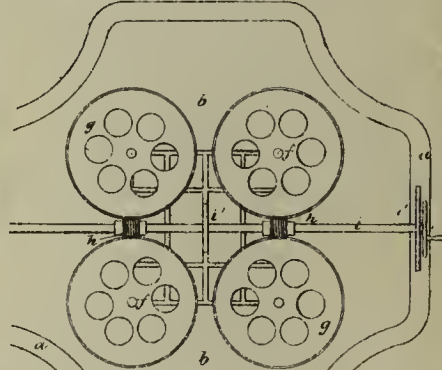
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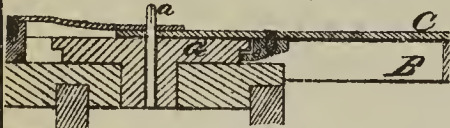
CHESTER D. HOLMES. EARTH-CLOSET

119,615 JAMES JOHN.
FOUNDATIONS FOR PLASTERING.

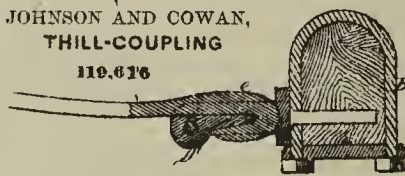
119,621 LEAS AND FRANCE. PIPE-ELBOW

119,622 WILLIAM AUGUSTUS LEGGO,
ELECTROTYPING.

119,611 DENNIS HOLTZ, BOB-SLED

JOHNSON AND COWAN,
THILL-COUPLING

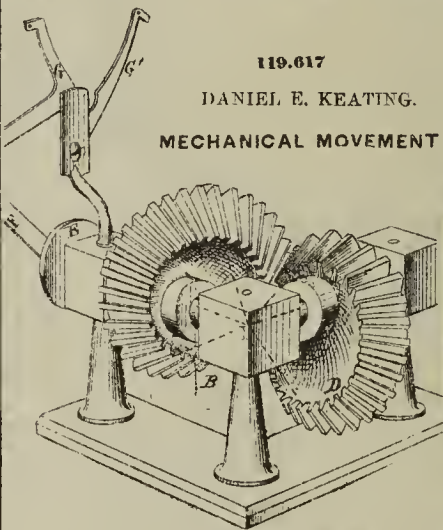
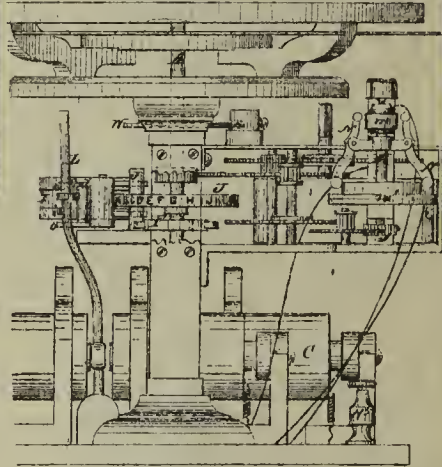
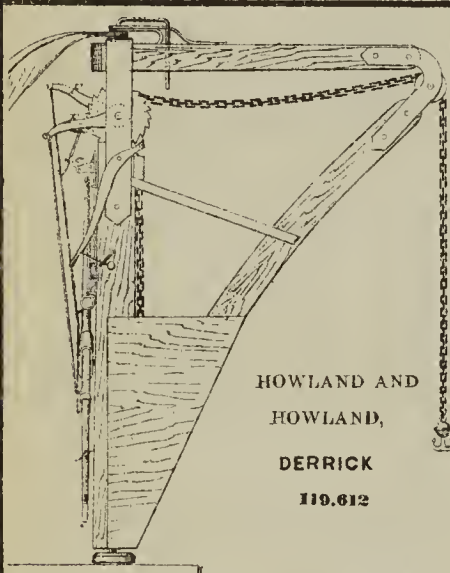
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119,617

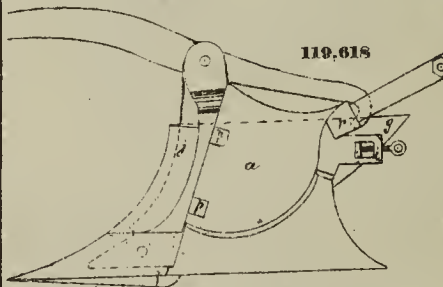
DANIEL E. KEATING.

MECHANICAL MOVEMENT

119,623 LINDSEY AND CURTISS,
PRINTING-TELEGRAPHHOWLAND AND
HOWLAND,
DERRICK
119,612

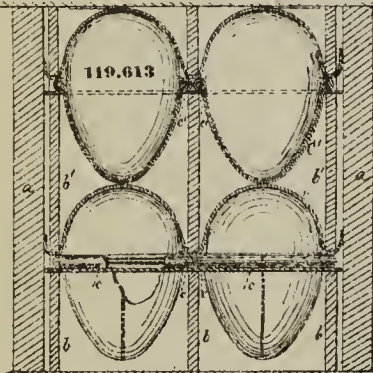
MARTIN KENNEDY. PLOW AND STOCK

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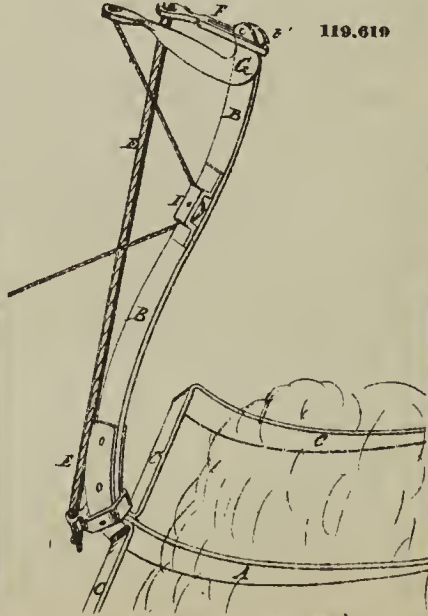
NATHAN L. JANNEY. EGG-PACKING BOX

119,613



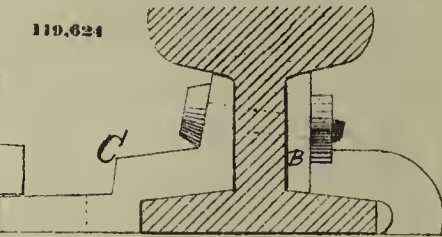
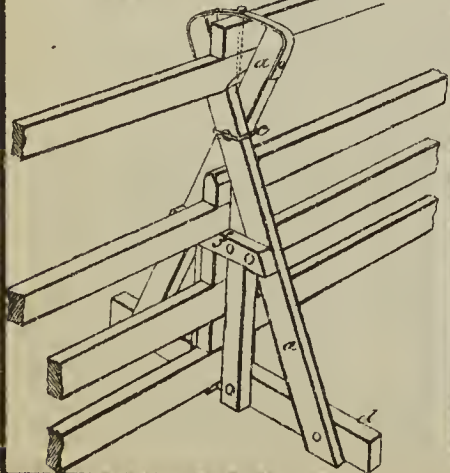
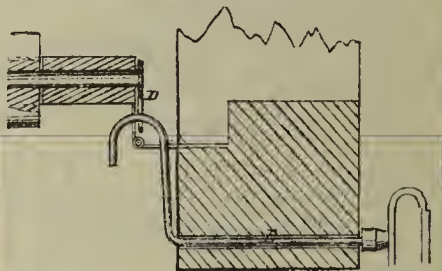
JOHN C. LAMPMAN, HORSE HAY-FORK

119,619

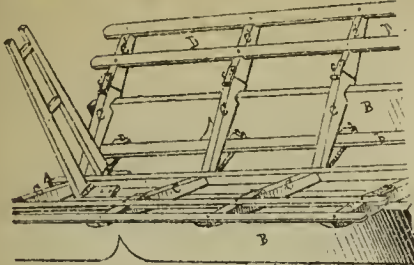


ALLEN P. LORD. RAILWAY RAIL-CHAIR

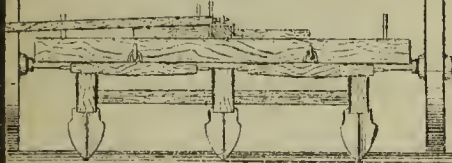
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ABRAM JEWETT, PORTABLE FENCE
119,614119,625 HENRY B. LUM,
BLIND-SLAT OPERATOR.119,626 JAMES A. MALONEY.
SIEVES FOR GRAIN-SEPARATORS.

119,627 JEREMIAH MANDIGO. HAY-RACK

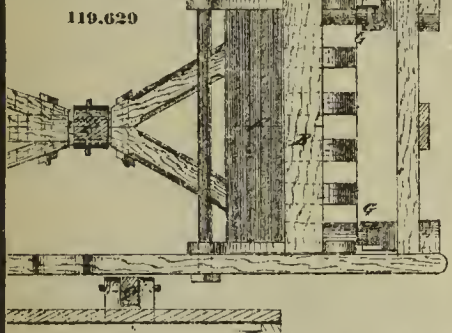


119,628 MARTIN, PARRISH, AND PETRIE. GROUND-MARKERS AND FURROWERS.



WILLIAM MARTIN. WASHING-MACHINE

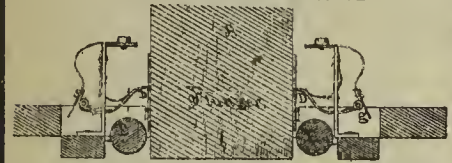
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119,630 CORNELIUS E. MASTEN. ROCKET

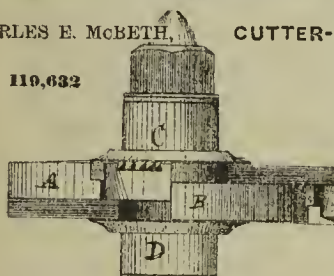


119,631 CHARLES A. MAXFIELD. PAPER-BOX MACHINE



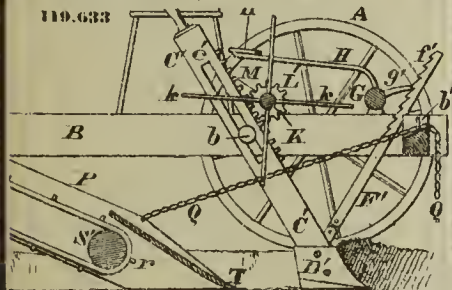
CHARLES E. McBETH. CUTTER-HEAD

119,632

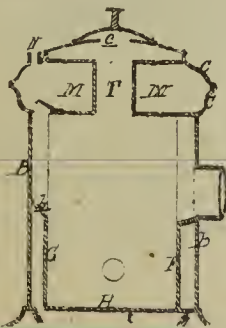


JOHN W. METZ. DITCHING-MACHINE

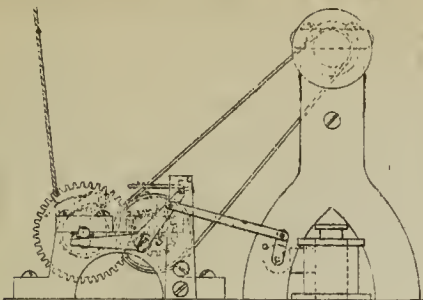
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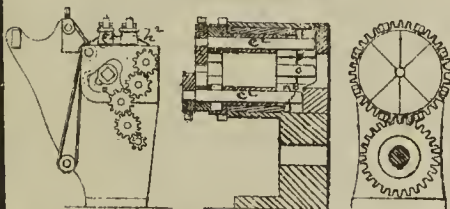
119,634 JOHN D. MILLER. HEATING-STOVE



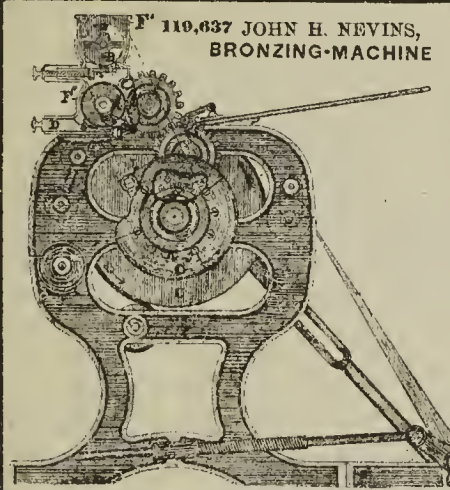
119,635 CHARLES E. MOORE. ELEVATOR



119,636 JOEL MOULTON. COVERING WRINGER-ROLLS.



F' 119,637 JOHN H. NEVINS. BRONZING-MACHINE

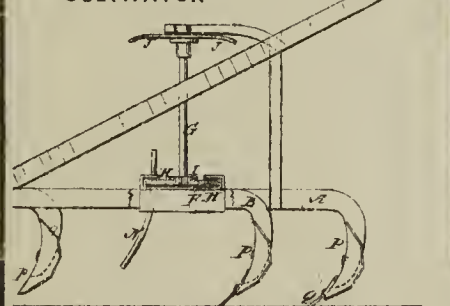


GORTON W. NICHOLS. EXTINGUISHING FIRES.

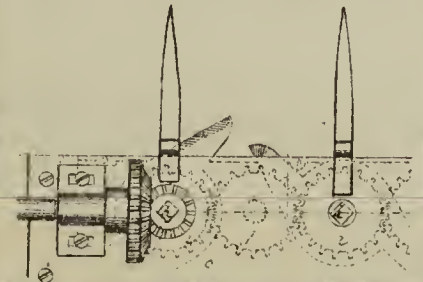
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119,639 JOHN S. NOLEN. CULTIVATOR

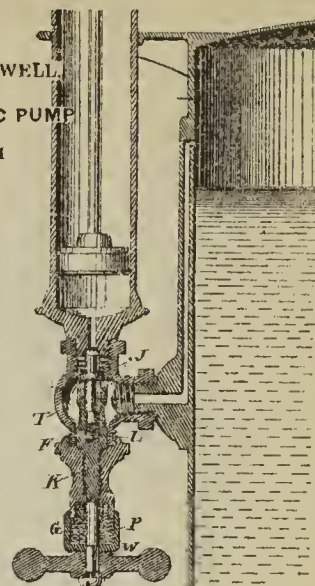


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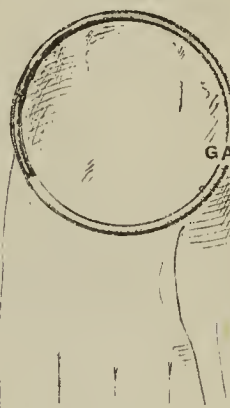
JAMES POWELL. PNEUMATIC PUMP

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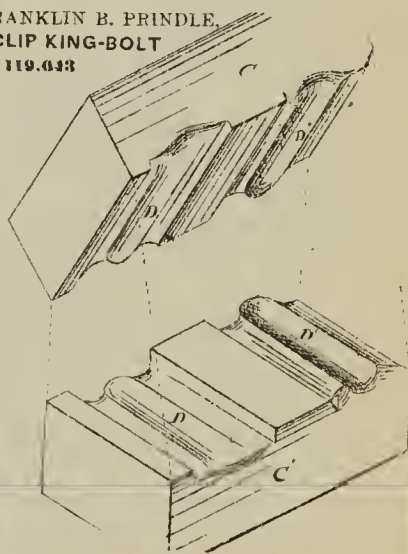
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VIRGIL PRICE. GAUNTLET-GLOVES.

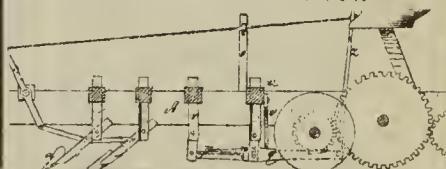


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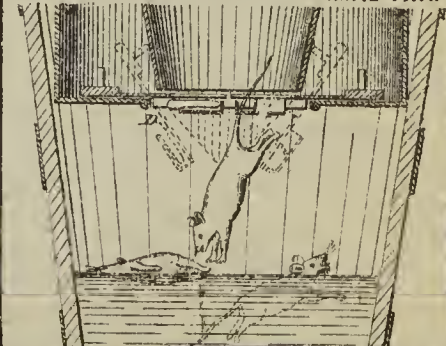
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119,644 RICHARD H. PURNELLE. COTTON-CULTIVATOR

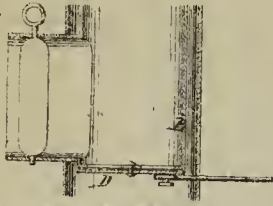
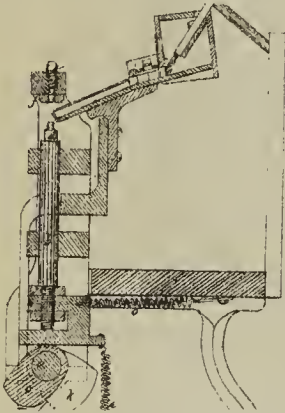


119,645 NIELS RASMUSSEN. ANIMAL-TRAP



THOMAS R. RENWICK. STOVE-PIPE DRUM

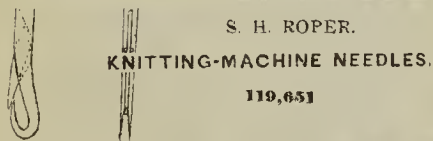
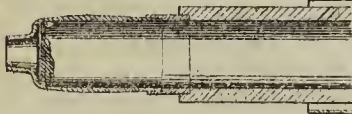
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119,647 JOHN C. RHODES.
MACHINES FOR MAKING EVELETS.

119,649 HENRY R. ROBBINS.

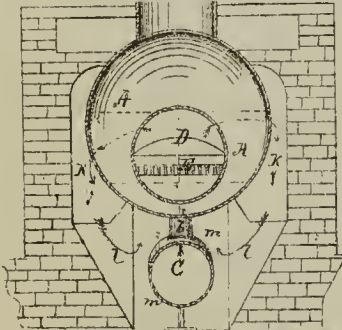
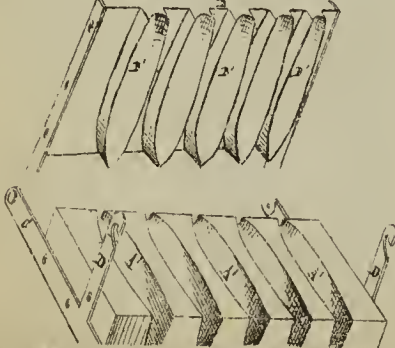
TRAPS FOR
WASH-BOILERS.119,648
THOMAS C.
RICHARDS.
PICTURE-NAIL

119,650 JOHN ROBERTS. PUMP

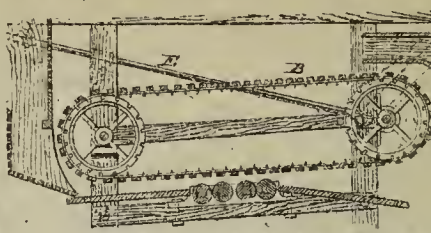
S. H. ROPER.
KNITTING-MACHINE NEEDLES.

119,651

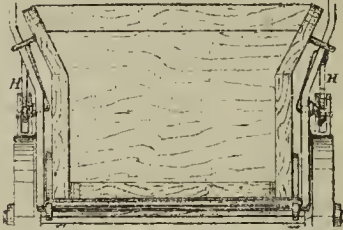
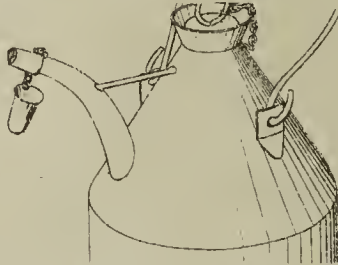
119,652 E. H. RÜMMELE. STEAM-BOILER

119,653 JOHN RYAN.
CIGAR-MOLDS AND PRESSES.

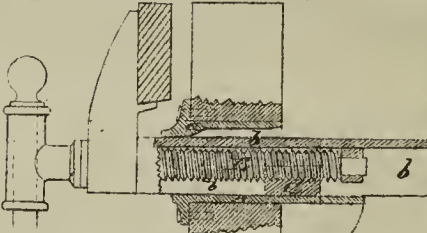
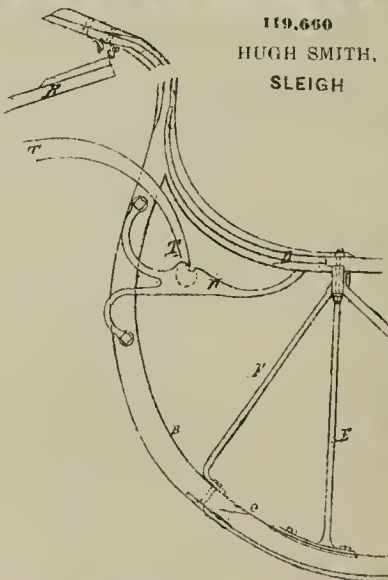
119,654 DANIEL SAGER. CORN-HUSKER



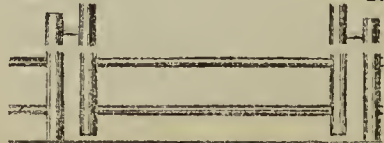
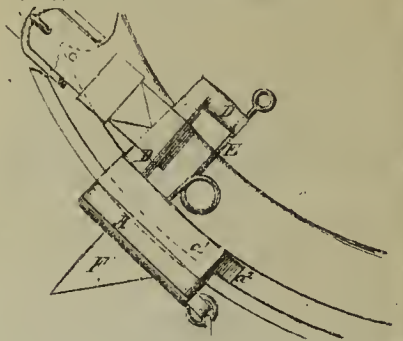
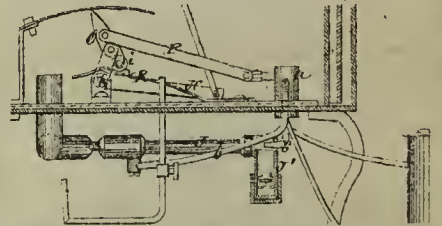
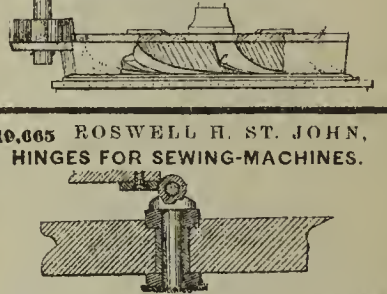
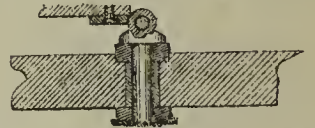
119,655 HENRY SAGER. WAGON-BRAKE

119,656 GEORGE W. SCHOFIELD.
SCREW-DRIVERS FOR FIRE-ARMS.119,657 IRA W. SHALER.
CANS FOR HYDROCARBON LIQUIDS.

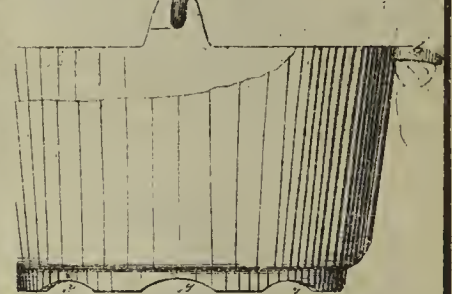
119,658 JOHN SIMPSON, VISE

119,659 HOWARD C. SMITH,
CURRY-COMBS AND BRUSHES.119,660
HUGH SMITH.
SLEIGH

119,661 SAMUEL SMYTH. GATE

119,662 HENRY A. SPRAGUE.
HORSE-HOLDERS FOR SLEIGHS.119,663 THEODORE G. SPRINGER,
GAS-MACHINE119,664 STEPHEN STEVENSON.
TURBINE WATER-WHEEL119,665 ROSWELL H. ST. JOHN,
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119,666 DAVID STUART, KETTLE

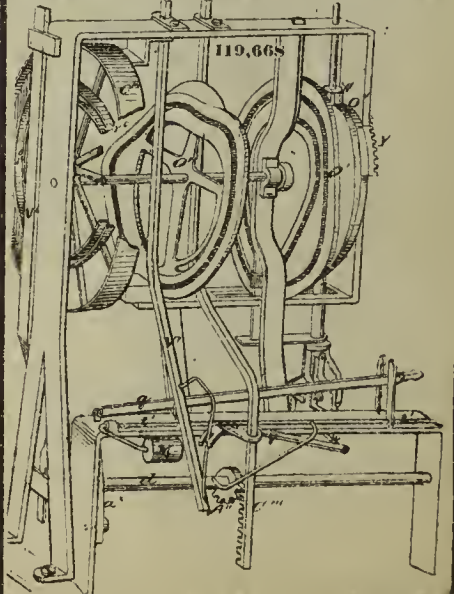


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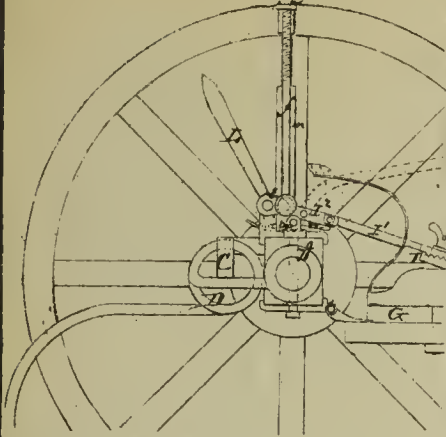
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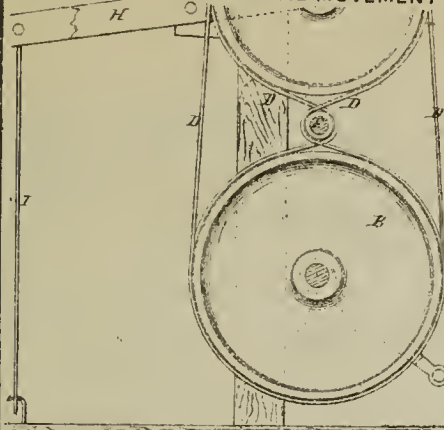
SUMMERS AND LANE. GRAIN-BINDER



119,669

GEORGE SWEET,
HORSE HAY-RAKE

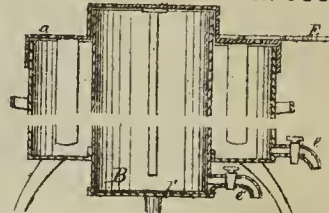
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WILLIAM WEAVER,
MECHANICAL MOVEMENT

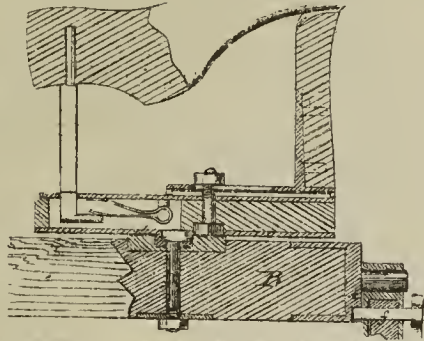
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LUTHER R. FAUGHT,
COG-GEARING.

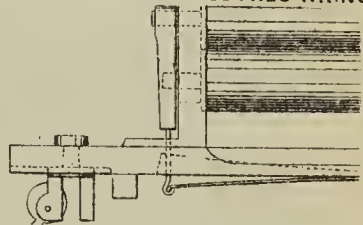
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ANNA E. BALDWIN,
MILK-COOLER

119,675

FRANZ WEISSENBORN,
SHOEMAKERS' JACK

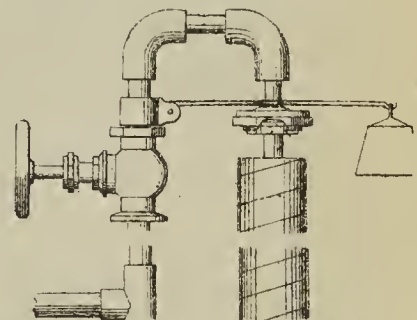
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CUMMINGS AND SWALLOW,
CLOTHES-WRINGER

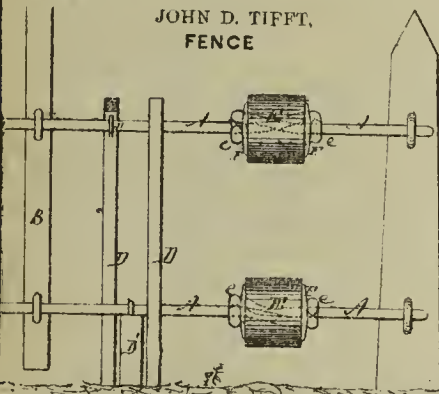
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WILLIAM WESTLAKE,
PLATFORMS FOR STOVES.

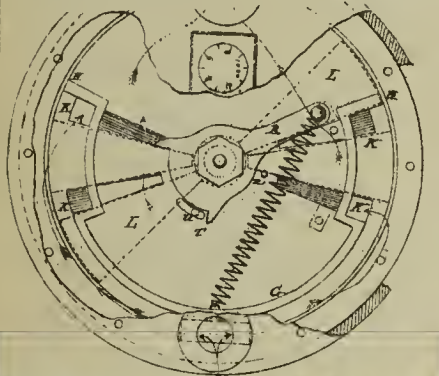
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LUKE M. HEERY,
STEAMING AND COOLING CLOTH.

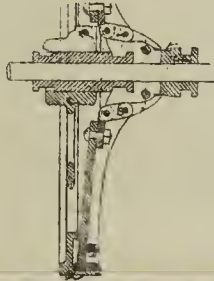
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JOHN D. TIFFT,
FENCE

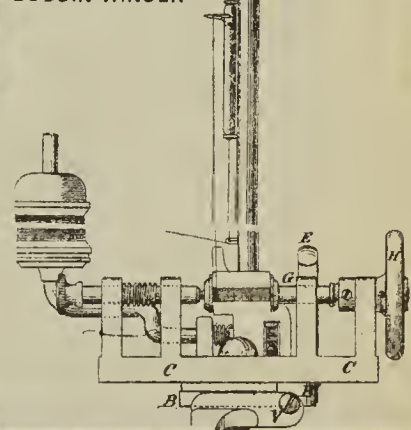
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DANIEL L. TOWER,
WATER-METERS.

119,677

DAVID M. WESTON,
CLUTCH MECHANISMS.

4,576

CHARLES H. PALMER,
BOBBIN-WINDER

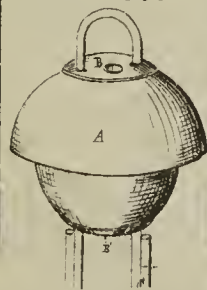
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EDWARD A. TRAPP,
RAILWAY SWITCH

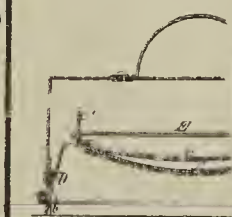
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JOSEPH W. WHITE,
SAWING FRET-HOLES IN FAN-STICKS.

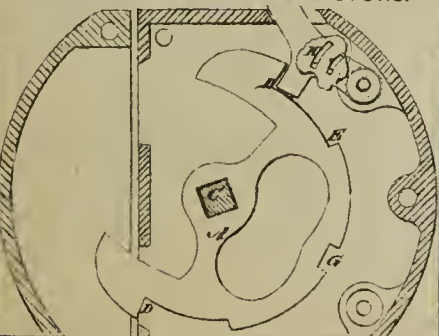
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JOSEPH S. WILCOX,
BUCKETS FOR CHAIN-PUMPS.

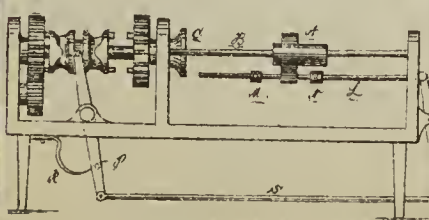
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ABNER WILLSON,
OVEN

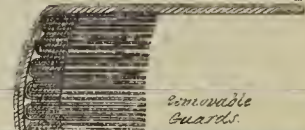
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WARNER AND PAYNE,
COMBINED LATCHES AND LOCKS.

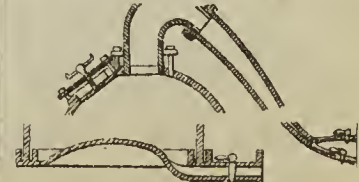
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SHEFFIELD H. WRIGHT,
THREADING BOLTS.

4,577

JOHN L. RILE,
BINDING INVOICE-BOOKS.

4,578

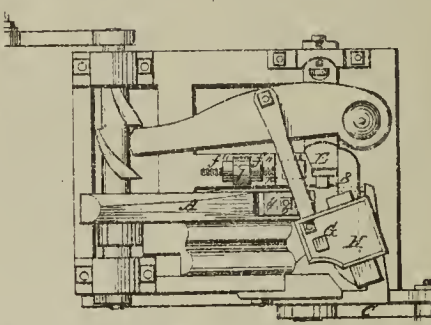
LOUIS S. ROBBINS,
EXTRACTING OILY AND FATTY MATTERS

ILLUSTRATIONS OF PATENTS
ISSUED FROM
THE UNITED STATES PATENT OFFICE
OCTOBER 10, 1871.

119,684

ISAAC H. ALEXANDER.
TUGS FOR HARNESS.

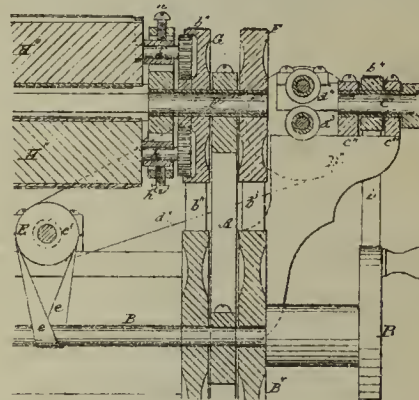
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MOODY BELKNAP.
SPIKE-MACHINES.

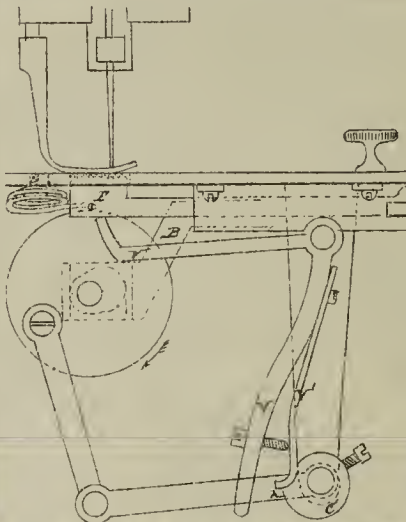
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FRANCIS G. BUTLER,
EVAPORATING AND CLARIFYING

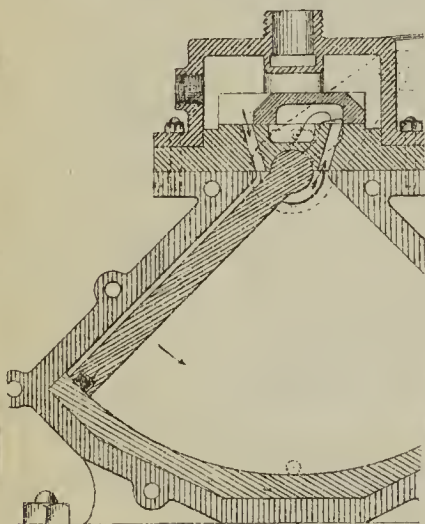
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ROLLIN M. CLAPP,
TURNING AND POLISHING.

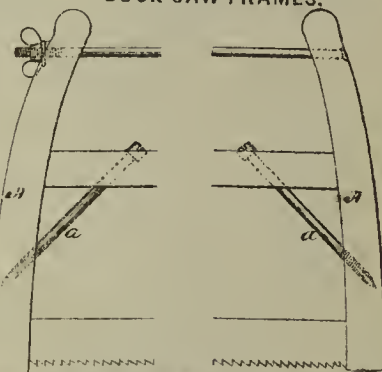
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RICHARD BLEES.
FEEDING SEWING-MACHINES.

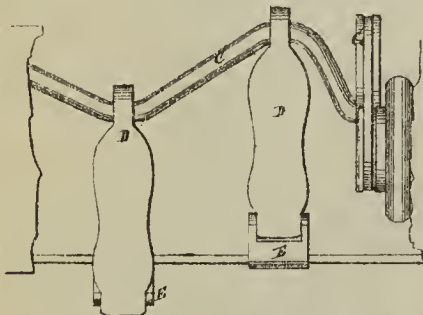
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JOHN F. ALEXANDER.
STEAM AND AIR-ENGINES.

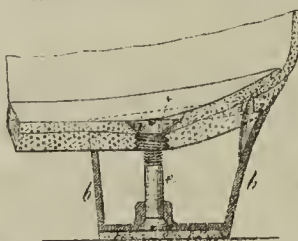
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WILLIAM CLEMSON.
BUCK-SAW FRAMES.

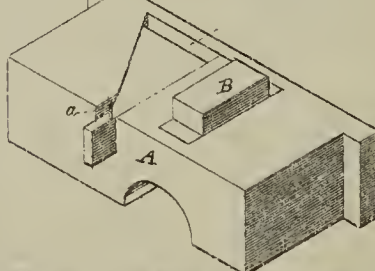
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RICHARD N. ALLEN.
SEWING-MACHINE TREADLES.

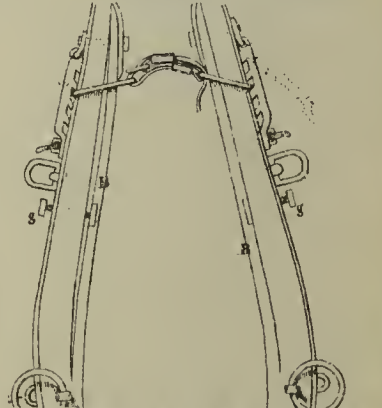
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EDWARD
HEELS FOR BOOTS AND SHOES.

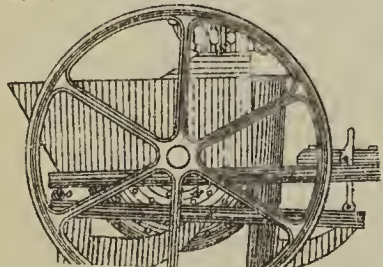
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WILLIAM HENRY BROUGH.
SADDLE-BOXES

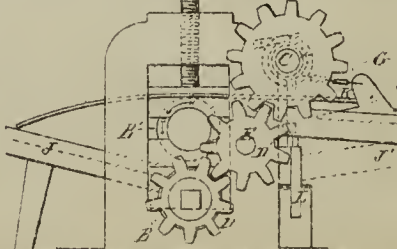
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CHARLES H. DRURY,
HAMES FOR HARNESS.

119,687

L. AUGUSTUS ASPINWALL.
POTATO-PLANTERS.

119,693

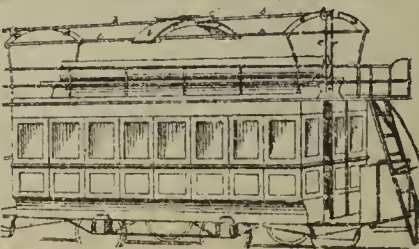
WILLIAM H. BROUGH.
ROLLING-MILLS.

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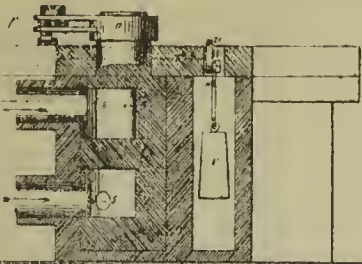
BALDWIN AND SEGAR.
SPRING BED-BOTTOMS.

119,698

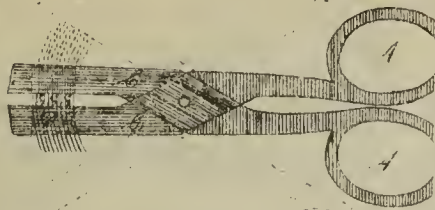
JOSEPH ELLISON, CANOPIES.



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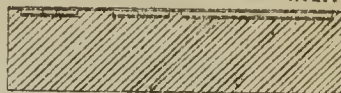
NICHOLAS FINCK.
LIQUID-METERS.

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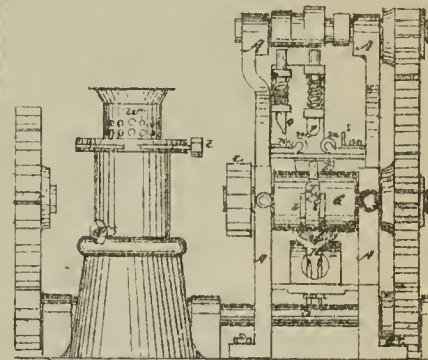
JACKSON HARRINGTON
RAISIN-SEEDERS.

119.710

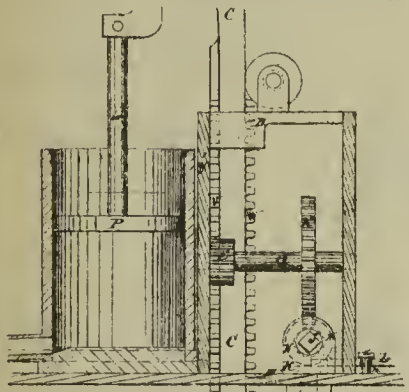
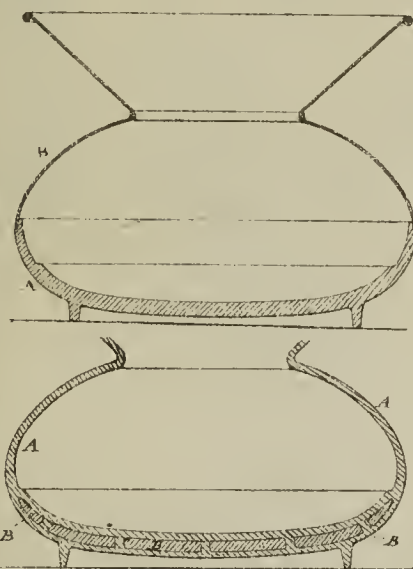
JOHN W. HYATT. INLAYING.



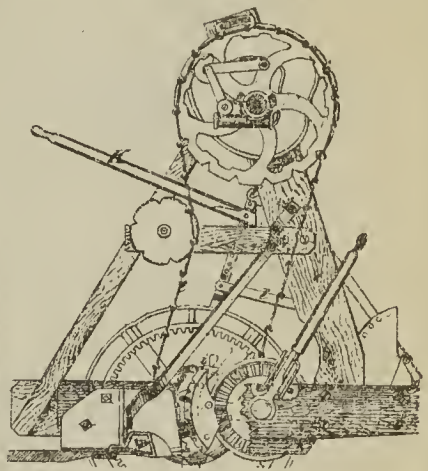
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WESLEY MALICK.
STAPLE-MACHINES.

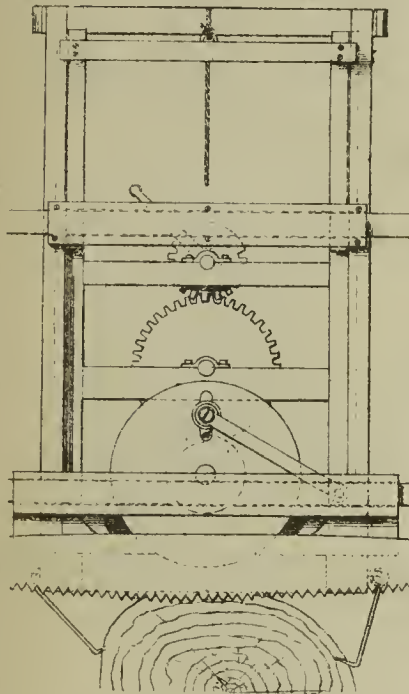
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CHARLES FORSCHNER.
SAUSAGE-STUFFERS.119.705
119.706EUGENE A. HEATH.
CUSPADORES.

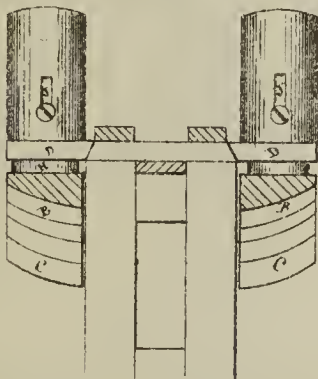
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McCORMICK AND BAKER.
HARVESTERS.

119.701

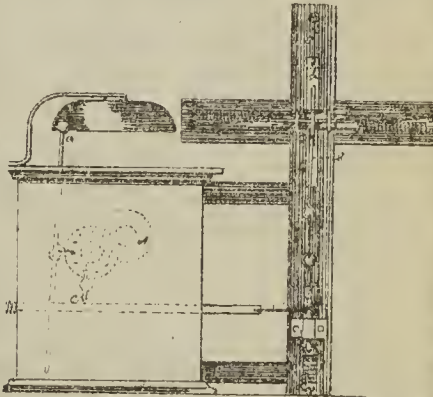
JOHN GROAT.
SAWING-MACHINES.

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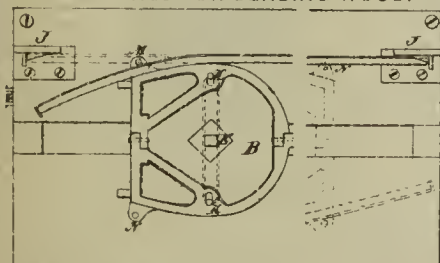
CHARLES B. HELMS.
BOOT-AND-SHOE-HEEL POLISHERS.

119.713

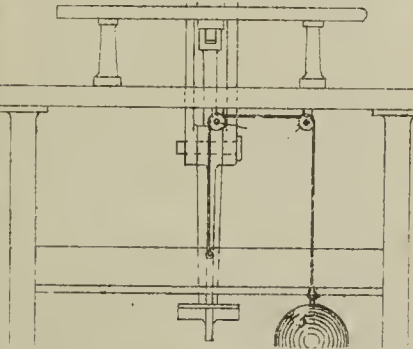
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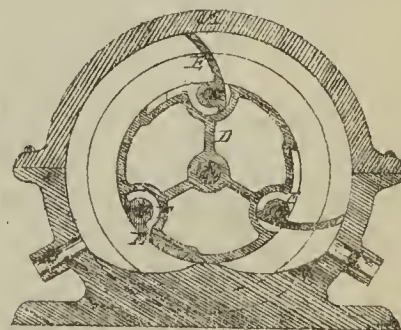
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GUSTAF GUSTAFSON.
MACHINES FOR BENDING WOOD.

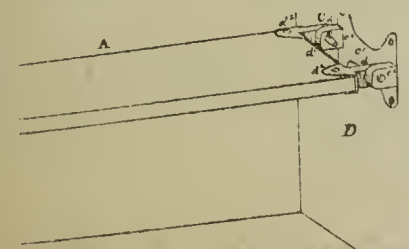
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PATRICK HOWE.
CLOTH-PRESSING MACHINES.

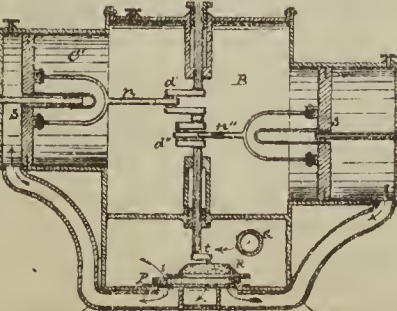
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ARTHUR O'LEARY.
WATER-METERS.

119.703

CHARLES C. HARDY.
IRONING-TABLES.

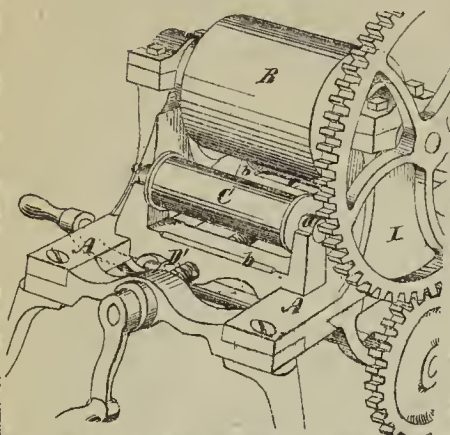
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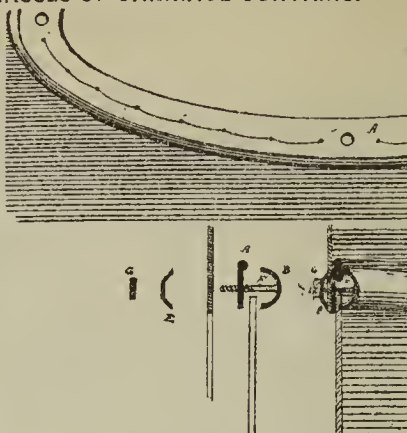
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GEORGE FARDY
IDENTIFYING-STAMPS.

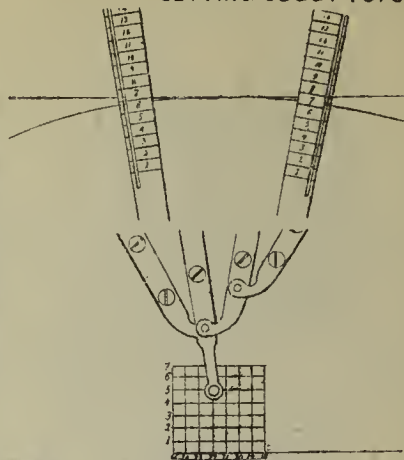
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DOUGLAS F. POMEROY,
BENDING TIRES.

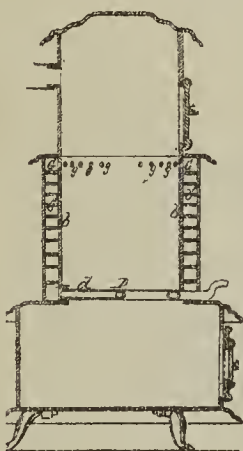
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WASHINGTON H. RHODES,
GLASSES OF CARRIAGE-CURTAINS.

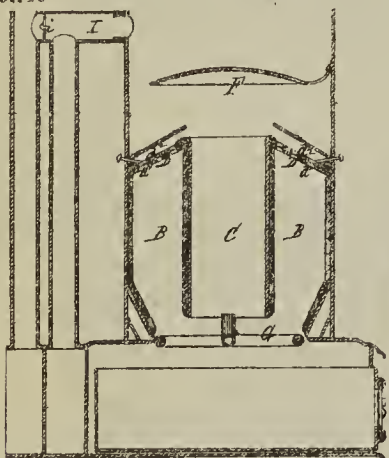
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JOHN BAITTEE WELLER,
SETTING BUGGY-TOPS.

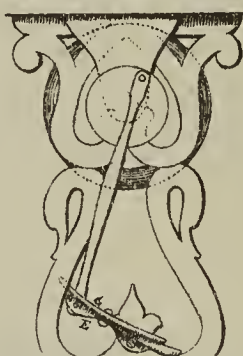
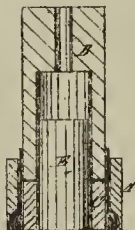
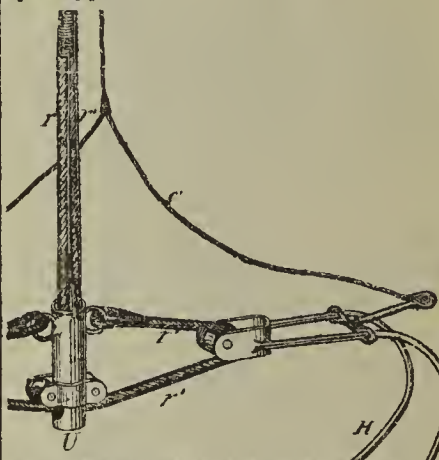
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ALONZO C. RAND,
HEATING-STOVES.

119,719

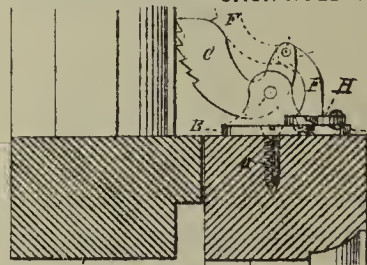


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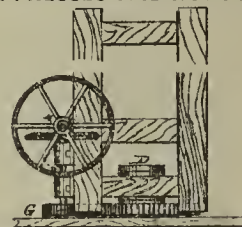
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PRESSING HOLLOW-WARE.WHITALL, AND BURSON,
GRAPPLES.
119,729

119,730

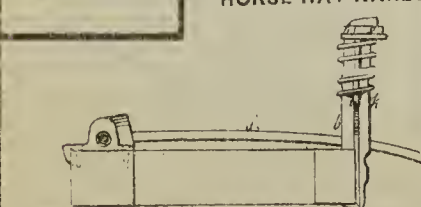
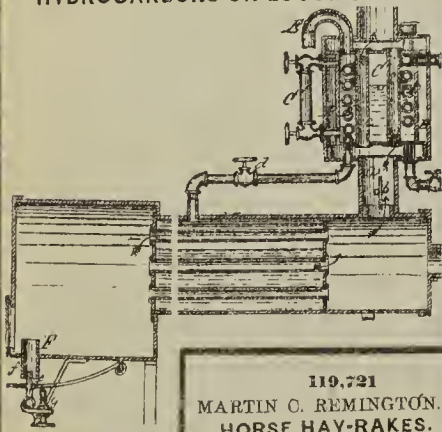
EDWIN S. WILLS, SASH-HOLDERS.



119,731

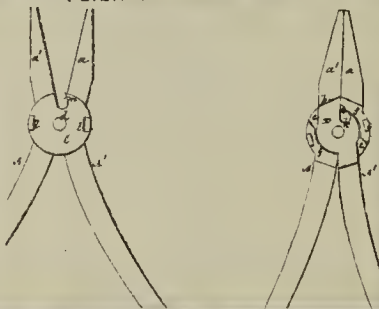
JAMES M. ALBERTSON,
COTTON-PRESSES AND HORSE-POWERS

119,720

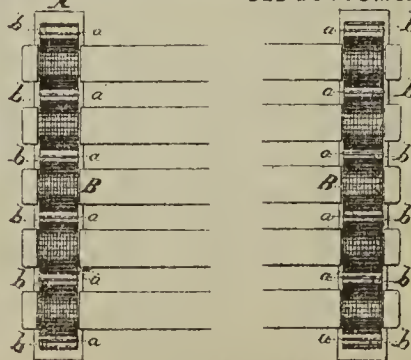
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HYDROCARBONS ON LOCOMOTIVES119,721
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HORSE HAY-RAKES.

119,726

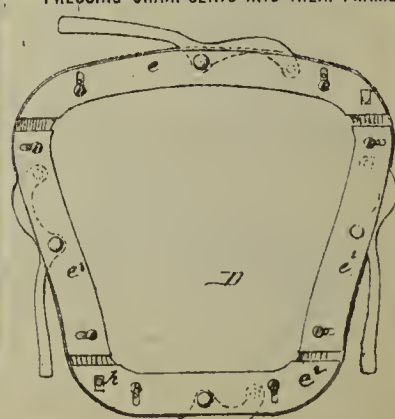
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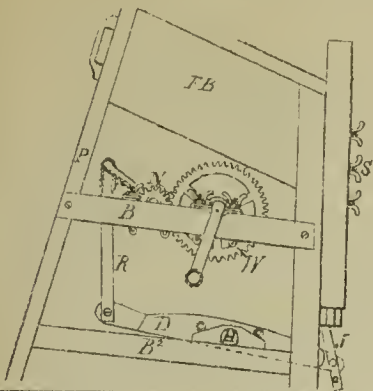
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CORNELIUS VAN DEUSEN,
BED-BOTTOMS.

119,732

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PRESSING CHAIR-SEATS INTO THEIR FRAMES.

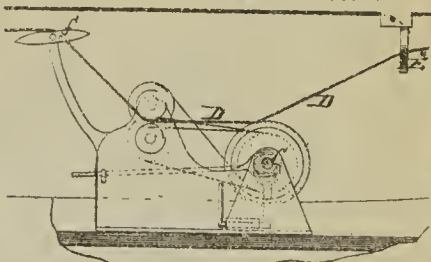
119,733 CHARLES C. G. ARMERLING.
VEGETABLE-CUTTERS.



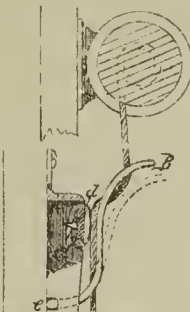
119,739 JAMES BRITTON.
SHEET-METAL KNOBS FOR TEA-POTS.



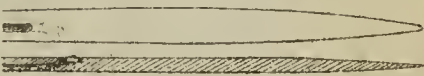
119,744 OWEN COOGAN,
PROPULSION OF CANAL-BOATS.



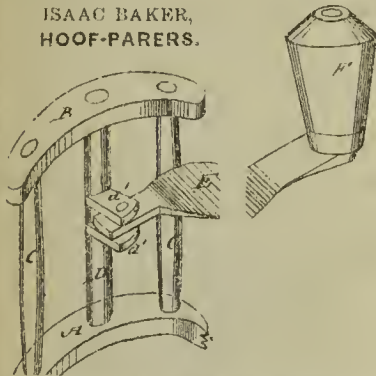
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NATHAN CAMPBELL,



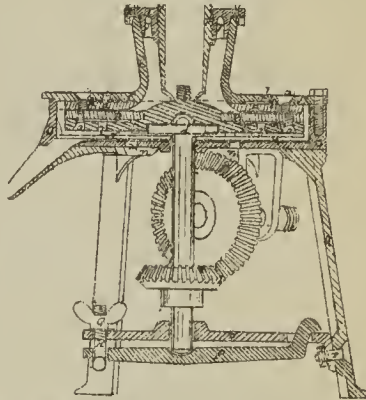
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BROOM-NEEDLES.



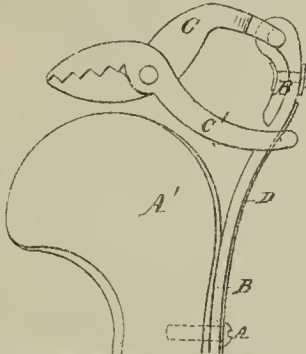
119,734 ISAAC BAKER,
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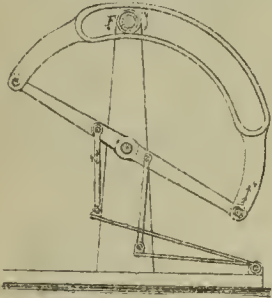
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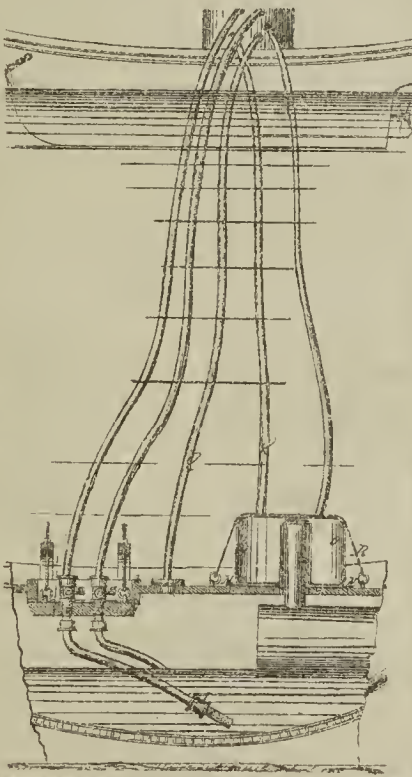
119,741 ORRIN R. CLARK,
BOOTS AND SHOES.



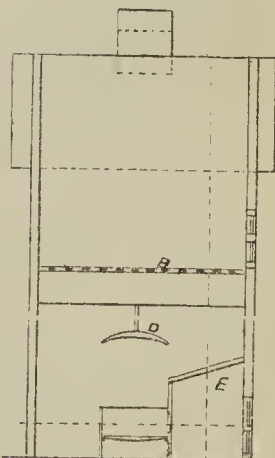
119,735 ALBERT BENNECKENDORF.
MECHANICAL MOVEMENTS.



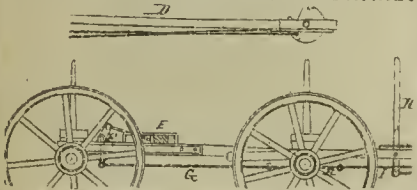
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RAISING SUNKEN VESSELS.



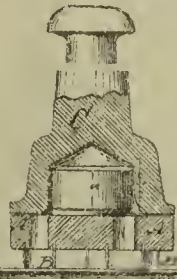
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DRYING-ROOMS.



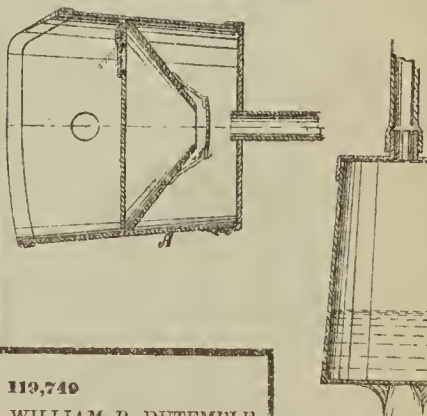
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WAGON-BRAKES.



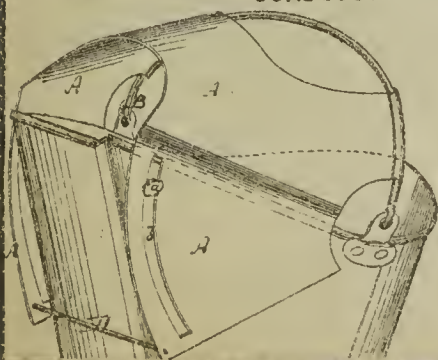
119,737 HENRY BOLTHOFF,
CUTTING STENCIL-PLATES.



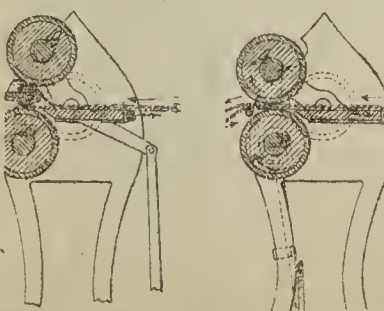
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ADMINISTERING ANÆSTHETICS.



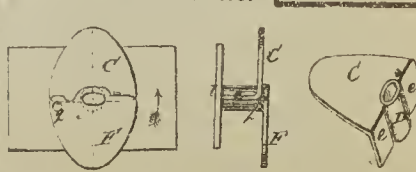
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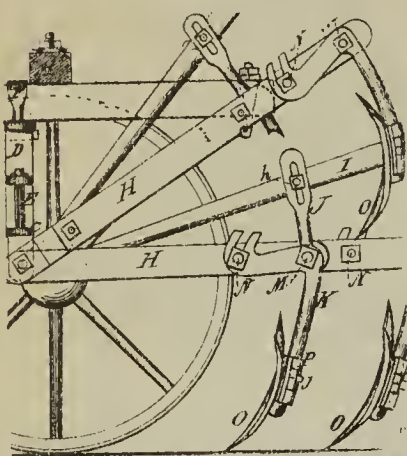
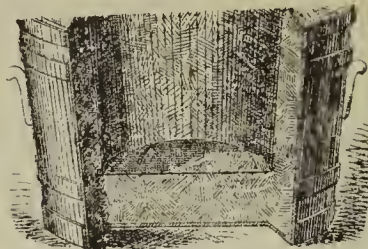
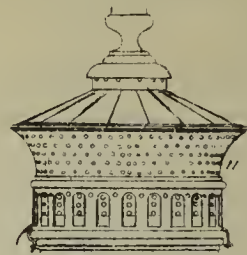
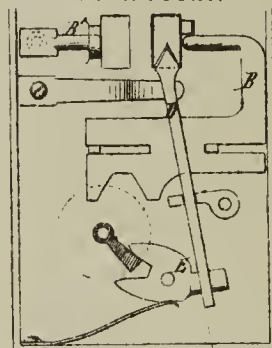
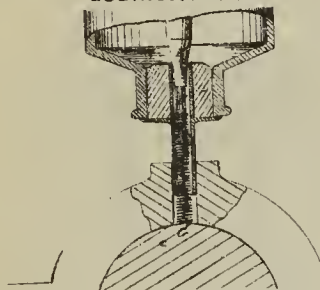
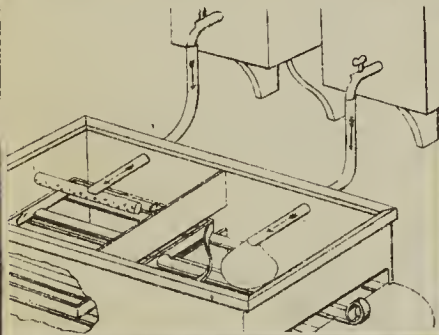
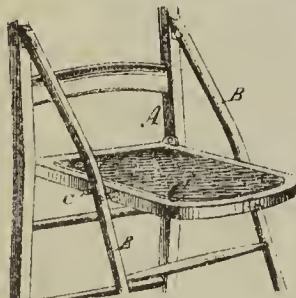
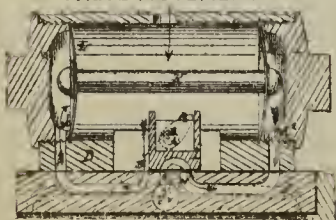
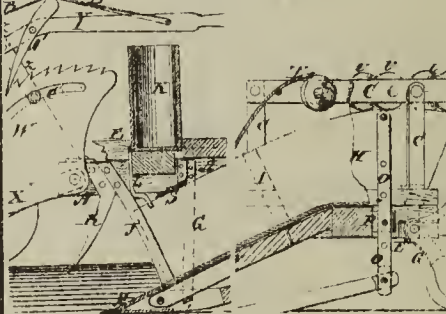
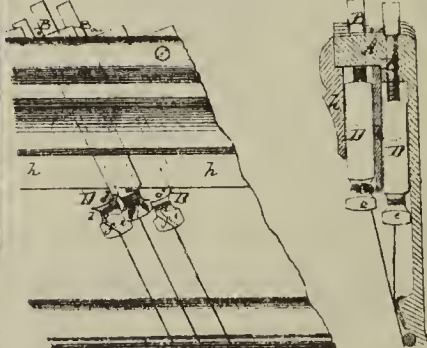


119,743 OWEN COOGAN,
BOARDING, PEBBLING, AND GLOSSING LEATHER

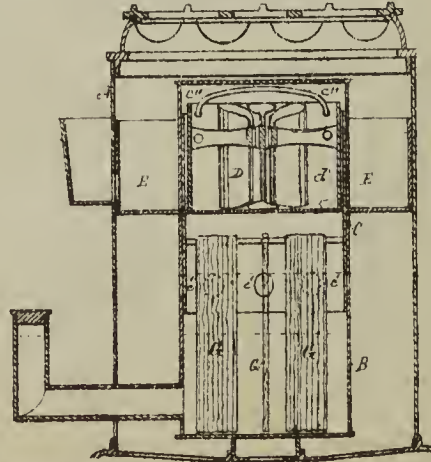
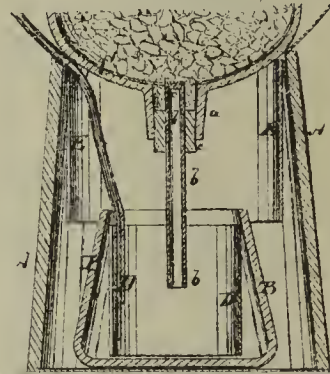
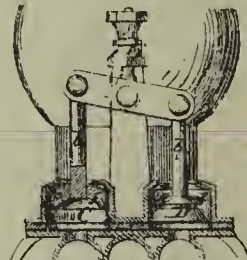
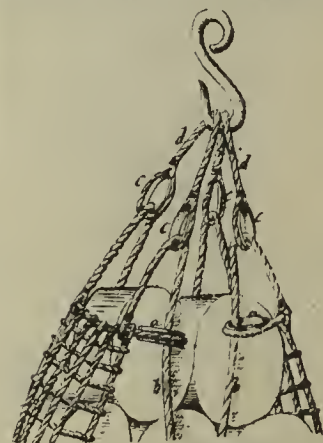
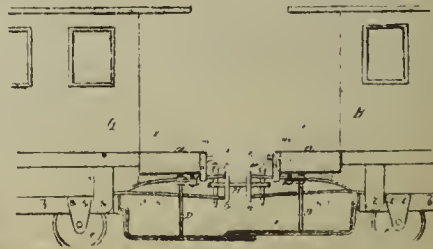


119,749 WILLIAM R. DUTEMPLE,
STUDS OR BUTTONS.

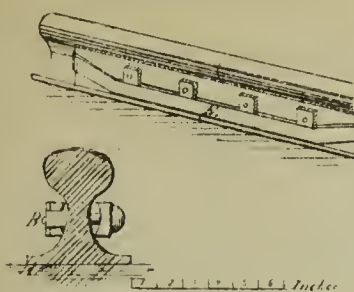


119,750. DAVID B. EBERLY,
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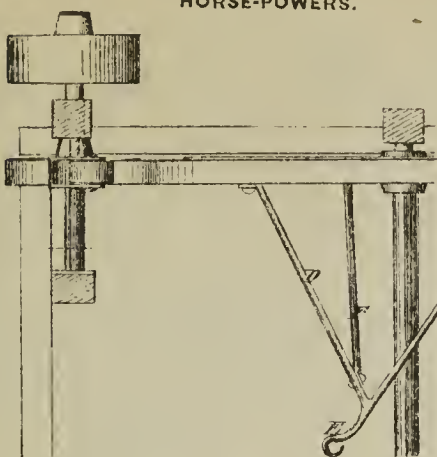
119,761. JOHN P. HAYES, GAS-HEATERS.

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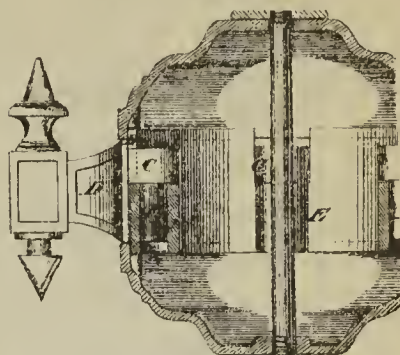
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LOCK-NUTS FOR RAILWAY JOINTS.



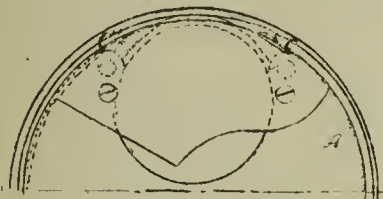
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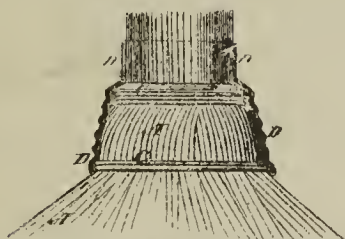
119,780 JOHN MEAH.
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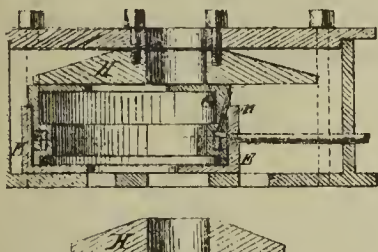
119,768 GEORGE HUNT.
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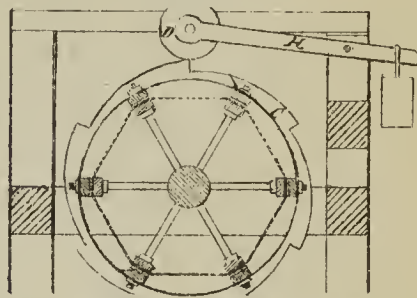
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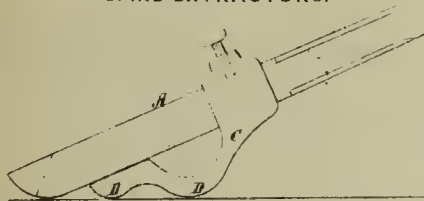
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BALANCED SLIDE-VALVES.



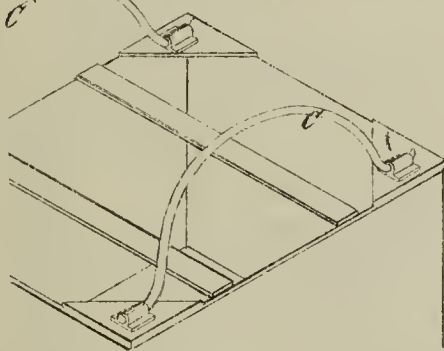
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FLOUR-BOLTS.



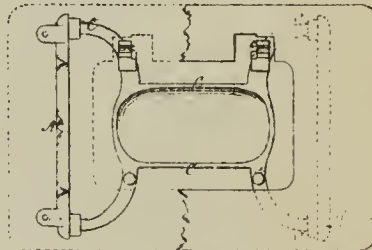
119,770 WILLIAM H. IVES,
SPIKE-EXTRACTORS.



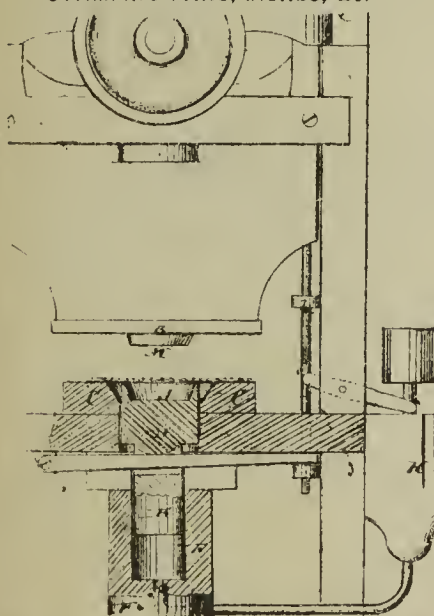
119,776 ELISHA D. LEWELLING,
FRUIT PACKING-BOXES.



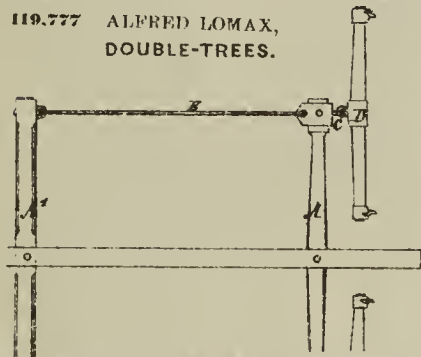
119,784 CHARLES PARHAM,
MOUNTING SEWING MACHINES UPON THEIR TABLES.



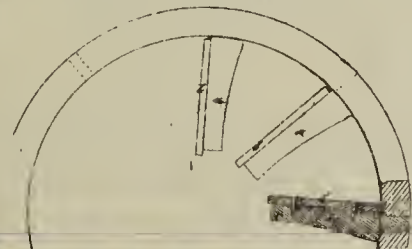
119,771 JOHN B. JONES,
STAMPING PANS, DISHES, &c.



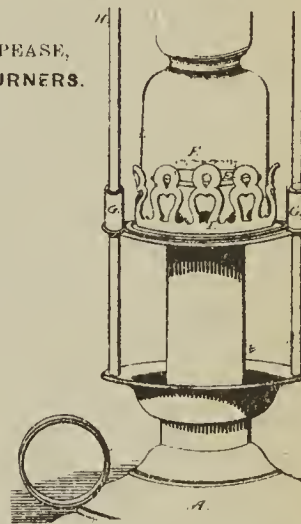
119,777 ALFRED LOMAX,
DOUBLE-TREES.



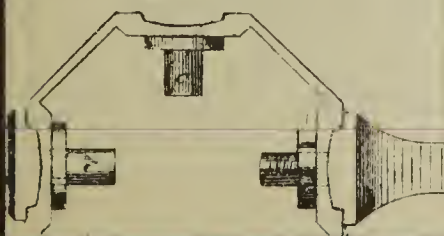
119,778 PHILO LULL,
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119,785 JULIUS A. PEASE,
CANDLE-BURNERS.



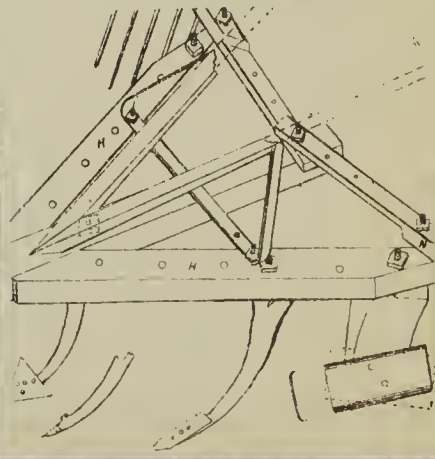
119,773 JOSEPH KINTZ,
CHANDELIERS CENTERS.



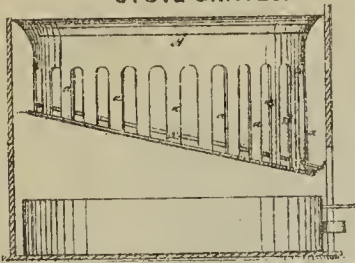
119,779 ROBERT MARSHALL,
SAP-BUCKET COVERS.



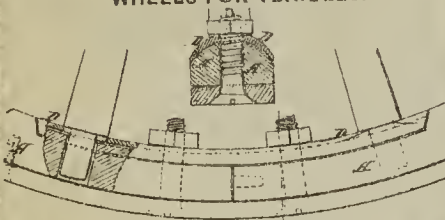
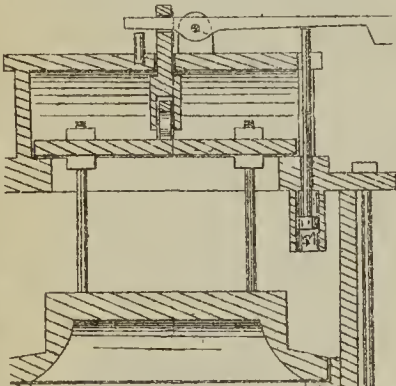
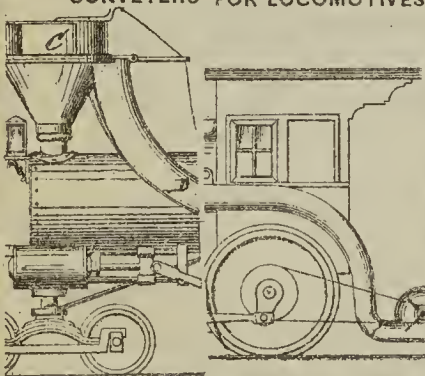
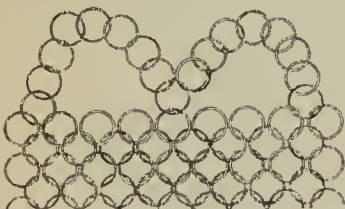
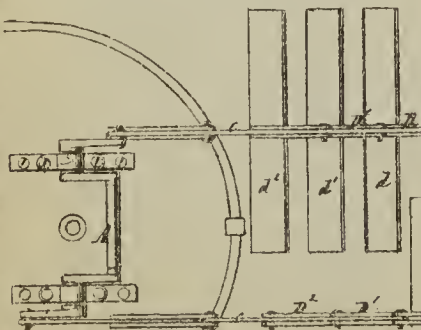
119,786 FRANCIS L. PERRY,
CULTIVATORS.



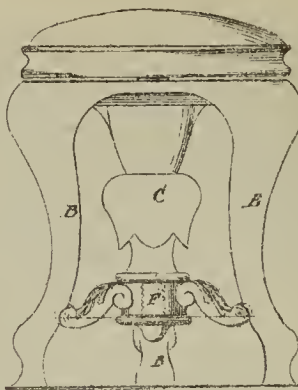
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JOHN A. PRICE,
STOVE-GRATES.

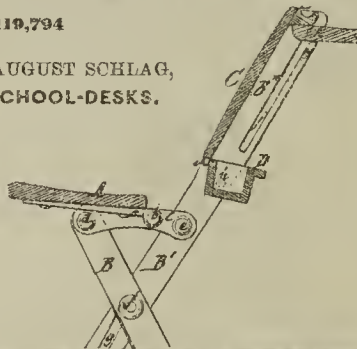
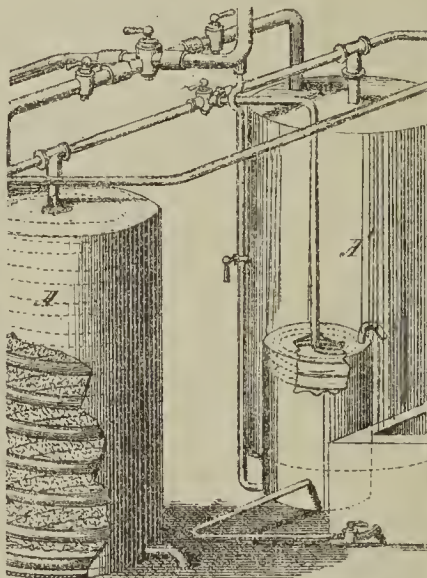
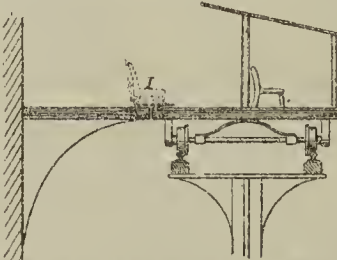
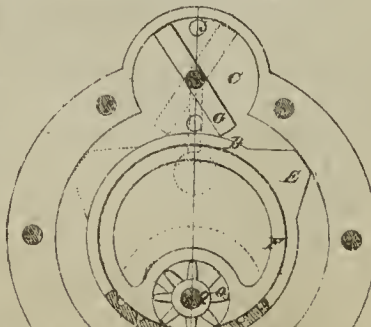
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WILLIAM F. RAY,
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PAN-SCRAPERS.119,792 CORNELIUS SCHILLING,
PROPULSION OF CANAL-BOATS.

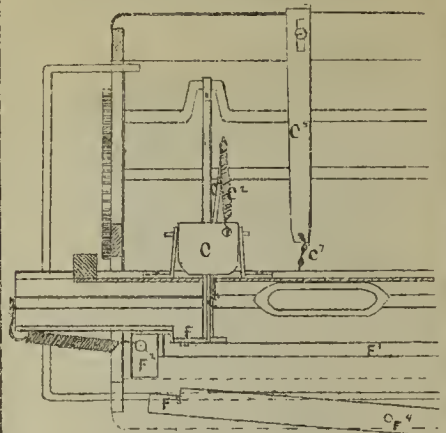
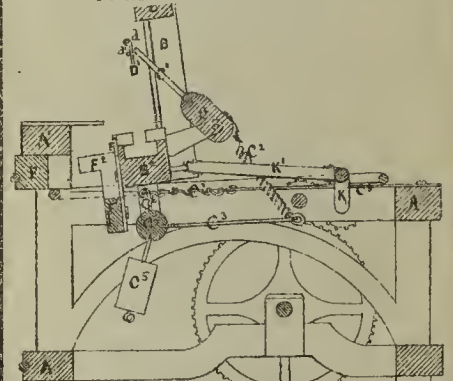
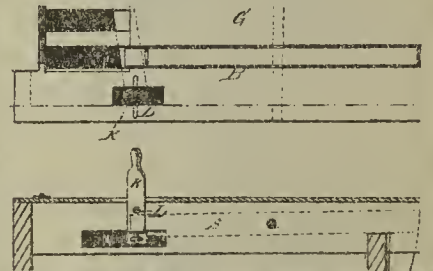
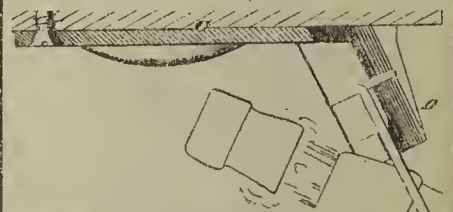
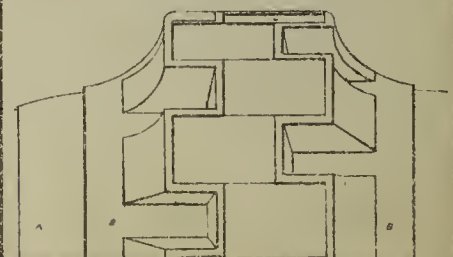
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CHARLES A. SCHINDLER,
PIANO-STOOLS.

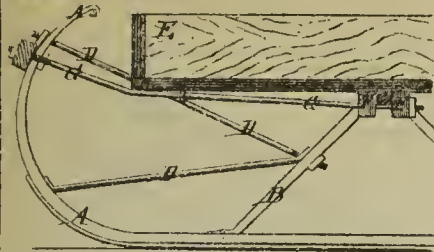
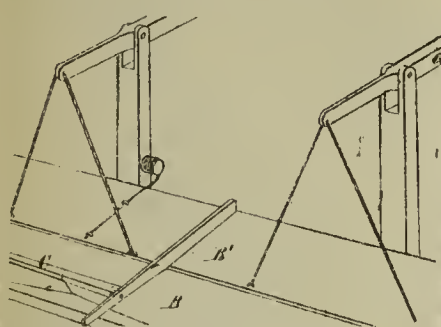
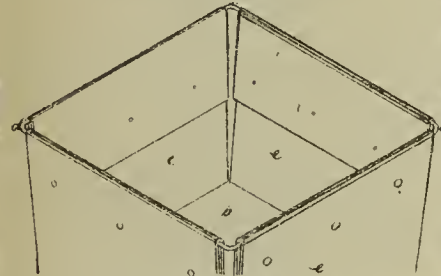
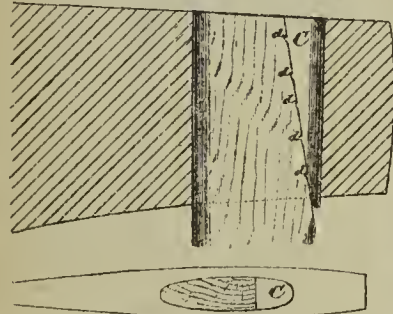
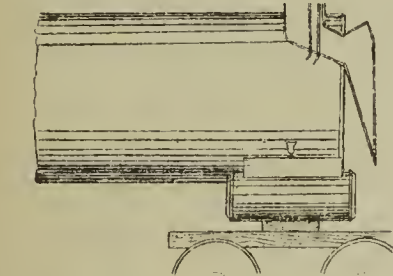
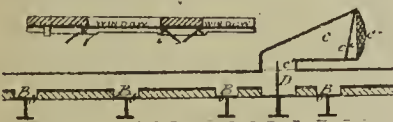
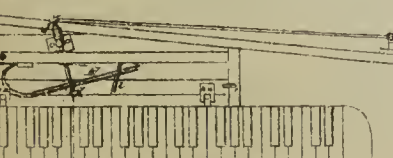
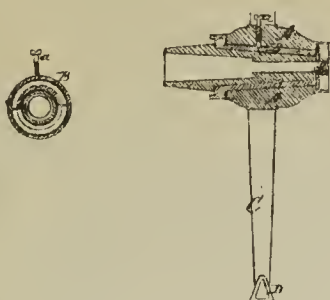
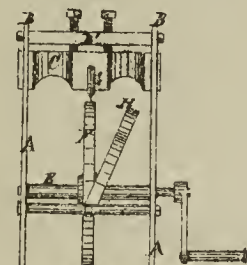
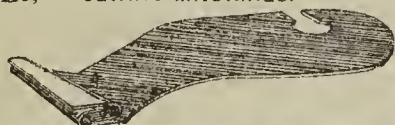
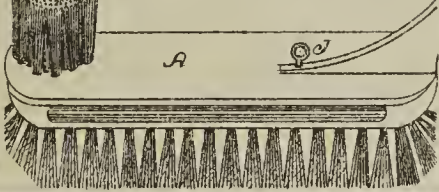
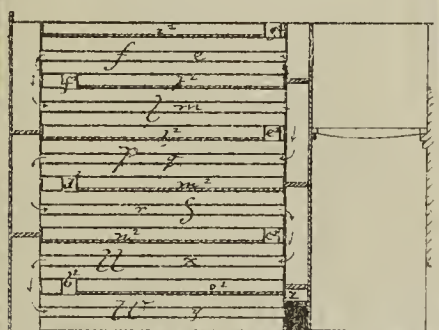
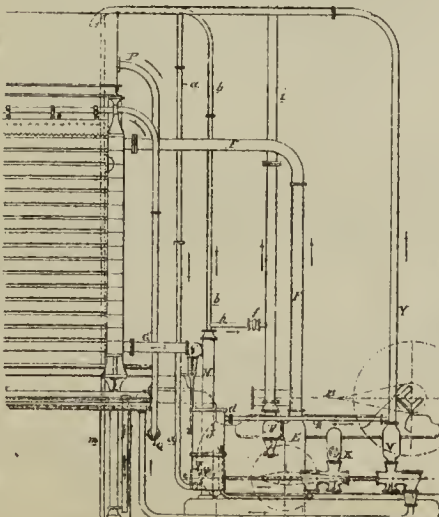
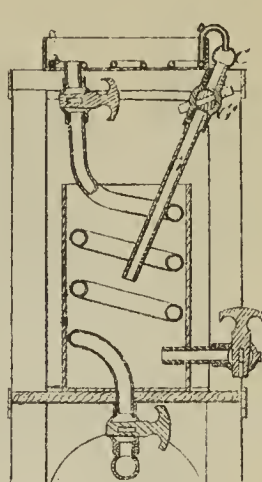
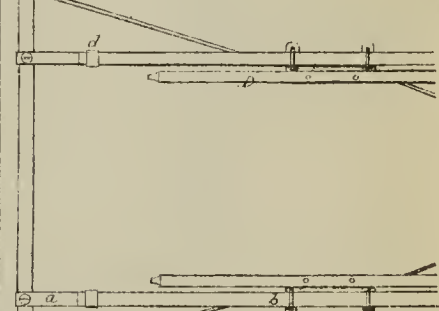
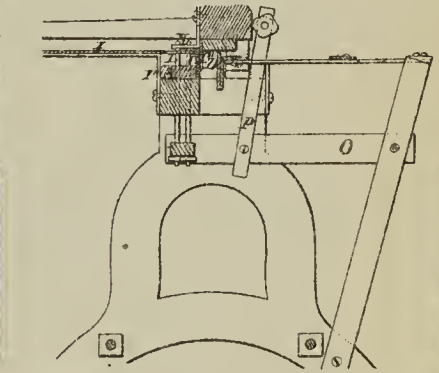
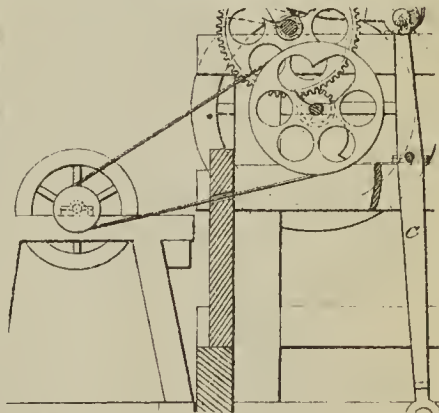
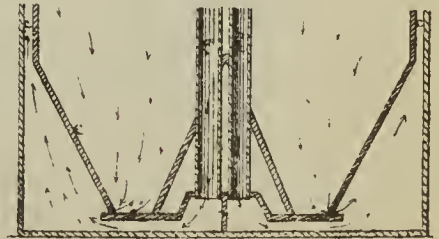
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AUGUST SCHLAG,
SCHOOL-DESKS.119,795 CHARLES A. SEELY,
ICE-MACHINES.119,796 ALFRED SPEER,
ENDLESS-TRAVELING SIDEWALKS.119,797 JOHN STOTT,
ROTARY ENGINES.

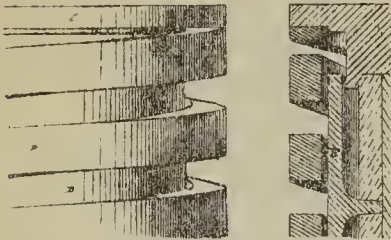
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JOHN J. SWITZER,
WEFT-STOP MECHANISM FOR LOOMS.119,799 JOHN SYDES,
MODES OF DUMPING GRAIN.119,800 THEODORE THORN,
ELEVATOR-BRAKES.119,801 WILLIAM S. TISDALE,
PEAT-MACHINES.119,802 CHARLES B. TRIMBLE,
BOTTLE-OPENERS.119,803 OLIVER VANORMAN,
HUBS FOR VEHICLES' WHEELS.

119,804 RICE WEBB. SLEIGHS.

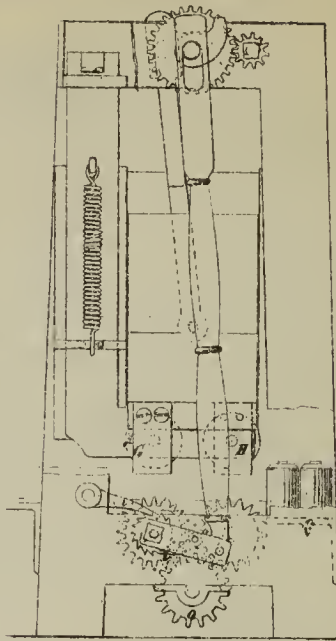
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SHUTTERS FOR HOT-BEDS, &c.119,806 CHARLES W. WESTON,
FRUIT-BOXES.119,807 WILBUR AND HURLBUT,
TOOL-HANDLE FASTENERS119,808 EDWIN H. WINCHELL,
SMOKE-STACKS OF LOCOMOTIVES.119,809 EDWIN H. WINCHELL,
RAILROAD-CAR VENTILATORS.119,810 ALTENBURG AND LAMBRIX,
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WHEELS FOR VEHICLES.119,813 BELA S. BISHOP,
MACHINES FOR CURVING SAW-BLADES.CHARLES C. BLAKEMORE,
FELLING ATTACHMENTS FOR
119,814 SEWING-MACHINES.119,815 CHARLES BRINTZINGHOFFER,
BLACKING-BRUSHES.119,816 GOTTLIEB F. BURKHARDT,
STEAM-HEATERS.119,817 ALFRED CAIL,
STEAM-CONDENSERS, &c.AMBROSE E. CAMP AND CHARLES L. REID
119,818 LARD-COOLERS.119,819 EGBERT P. CARTER,
RUNNING-GEARS FOR BUGGIES.119,820 CHARLES B. CHOATE,
CUTTING AND PUNCHING SHINGLE-BANDS119,821 ALEXANDER CLARK,
MECHANICAL MOVEMENTS.119,822 JOSEPH W. COBURN,
TANNING APPARATUS.

119,823

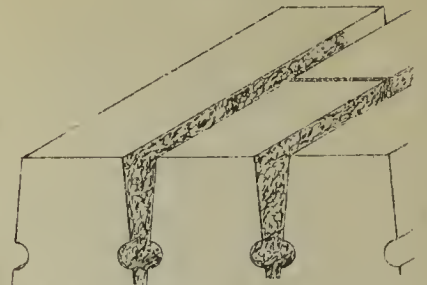
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RAILWAY-CAR SPRINGS.

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JOHN P. DIRNER.

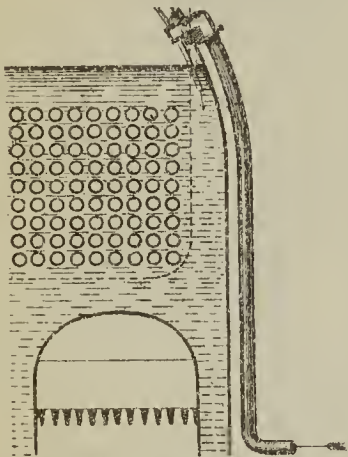


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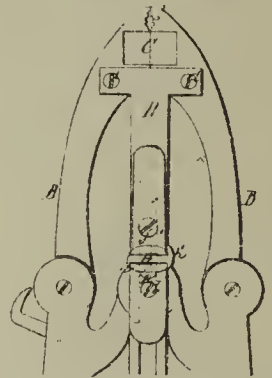
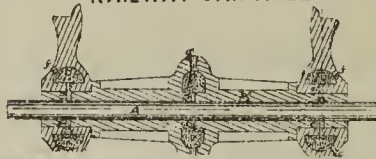
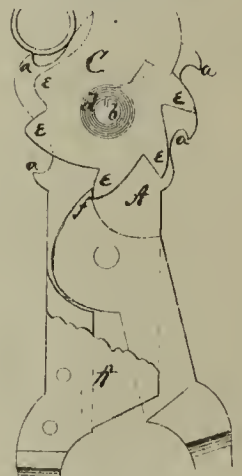
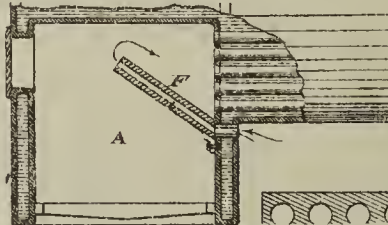
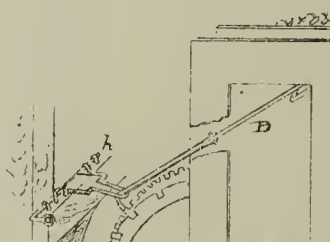
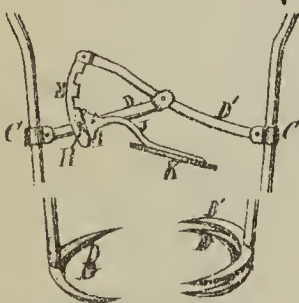
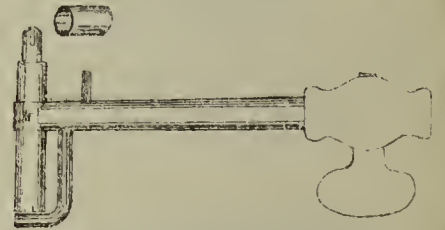
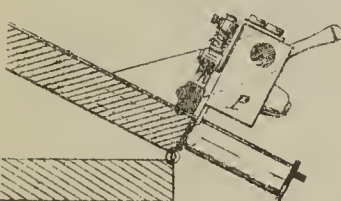
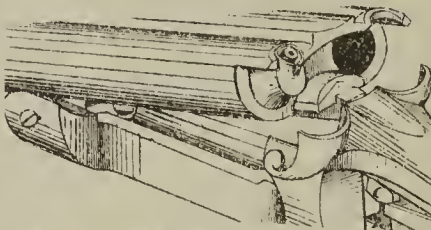
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119,824 JONATHAN CONE,

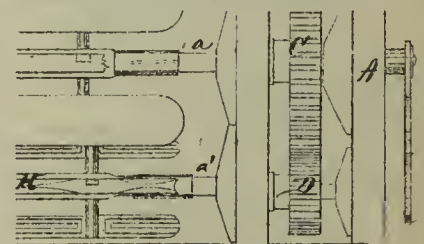
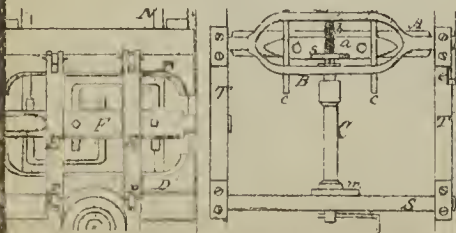
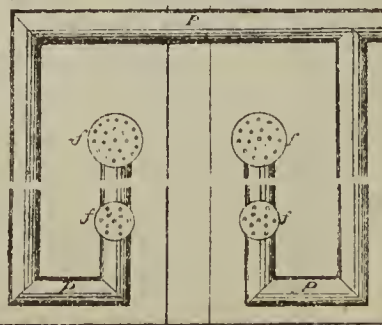
FEED-PIPES OF STEAM-BOILERS.



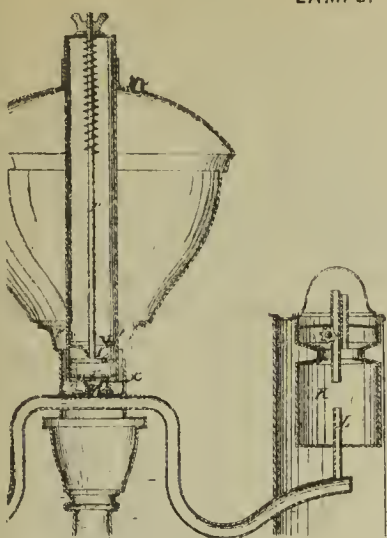
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SAMUEL J. FORBES,
BLACKSMITHS' TOOLS.ELLIS DOTY AND GEORGE W. MILTIMORE,
119,831 RAILWAY-CAR AXLES.DAVID FRANK AND THEOPHILUS SNYDER,
119,835 PIPE-WRENCHES.DANIEL MCFARLAND COOK,
119,825 INDUCTION-COILS.119,832 JOHN DURAND,
SMOKE-CONSUMING APPARATUS119,833 SAMUEL F. ESTELL,
PROGRAMME-CLOCKS.119,826 JOHN F. COPPOCK,
ANIMAL-TRAPS.119,839 GATES AND FRITCHIEY,
VAPOR-BURNERS.119,827 EDWIN COWLES,
PAPER-CUTTING MACHINES.119,834 GEORGE H. FERRISS,
BREECH-LOADING FIRE-ARMS.

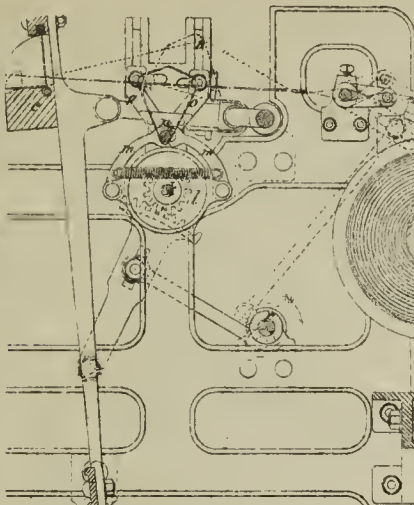
119,840 JOHN GIRE, CHURNS.

119,828 DANIEL M. CUMMINGS,
MAKING WOODEN TRAYS.CHARLES G. FISHER,
119,835 STEAM-BOILERS.119,841 JOSEPH S. GRAVES,
CARRIAGE-WHEELS.

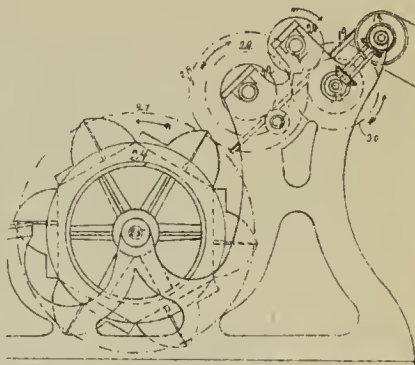
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FRANKLIN T. GRIMES,
LAMPS.

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JOSEPH HOLDING AND JAMES ECCLES,
MECHANISM FOR LOOM

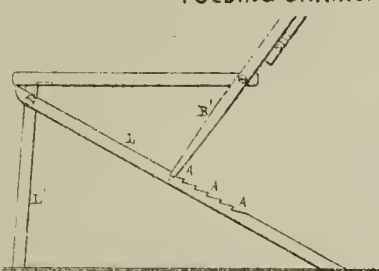
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HORSE-NAIL MACHINES.

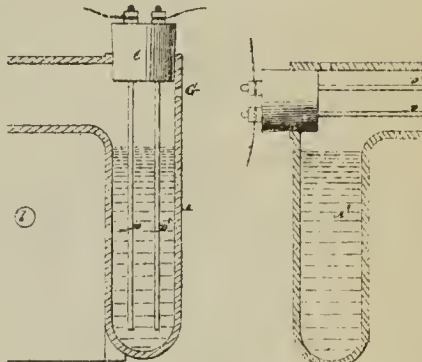
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EDGAR C. HAMLIN,
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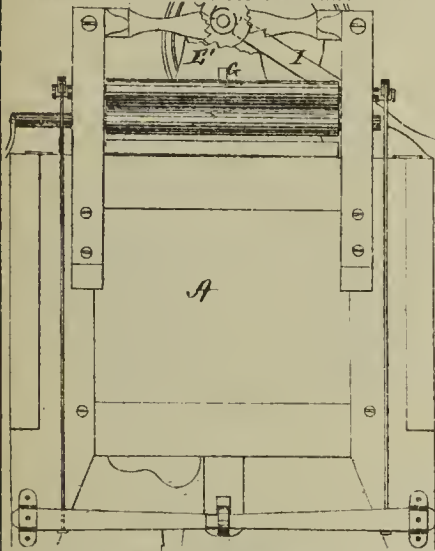
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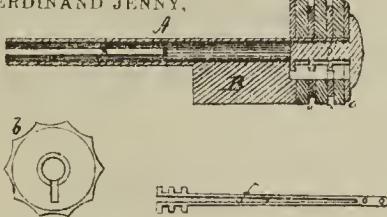
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JEROME KIDDER,
GALVANIC BATTERIES.

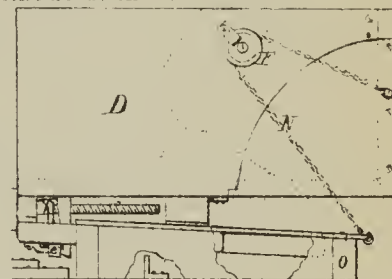
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WASHING-MACHINES.

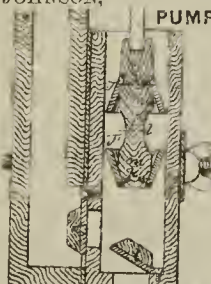
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FERDINAND JENNY.

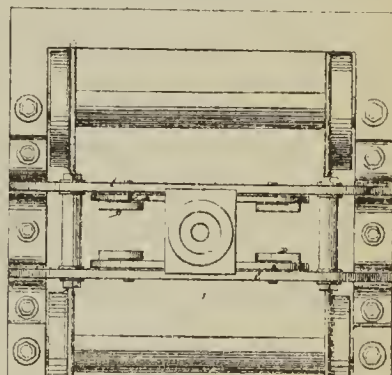
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SIDNEY D. KING,
DUMPING-CARS.

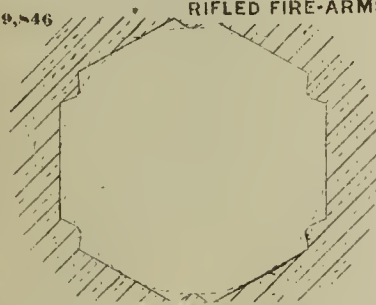
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DANIEL JOHNSON,
PUMP-PISTONS.

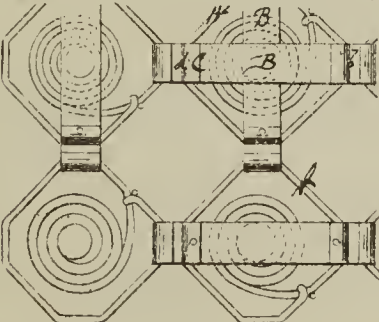
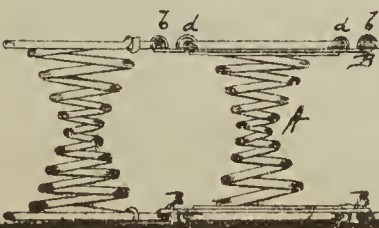
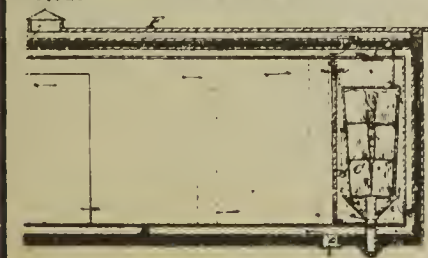
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CHANCY H. LATHROP,
TRUCKS FOR LOCOMOTIVE ENGINES.

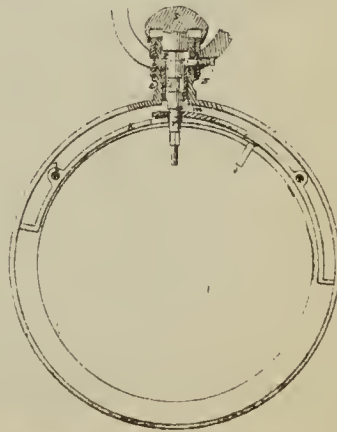
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ALEXANDER HENRY,
RIFLED FIRE-ARMS.

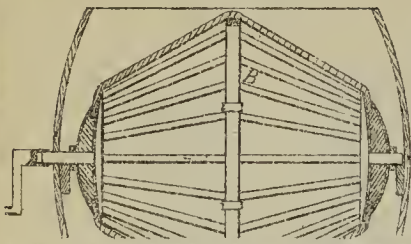
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WILLIAM B. JUDSON,
SPRINGS FOR MATTRESSES.CLAUDIUS L. HOAG AND ELLSWORTH ELY
REFRIGERATING-CARS.

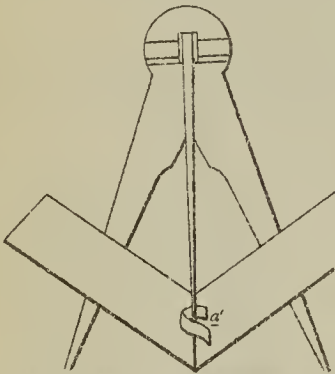
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JACQUES LAURENT,
STEM-WINDING WATCHES.

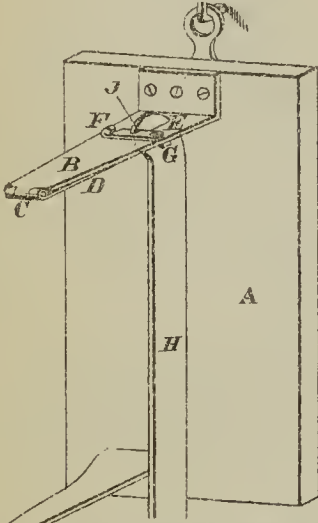
119,859 JOHN H. LEE,
WASHING-MACHINES.



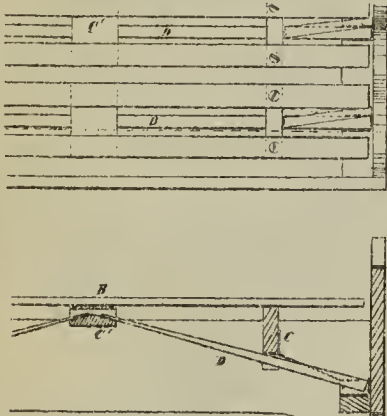
119,860 JOHN A. LEHMAN,
BREAST-PIN FASTENERS.



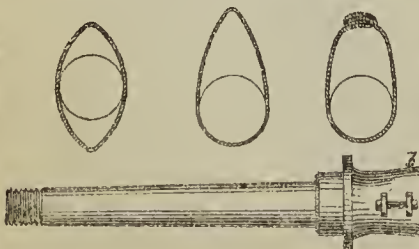
119,861 CARL LEMKE,
BREAD-CUTTERS.



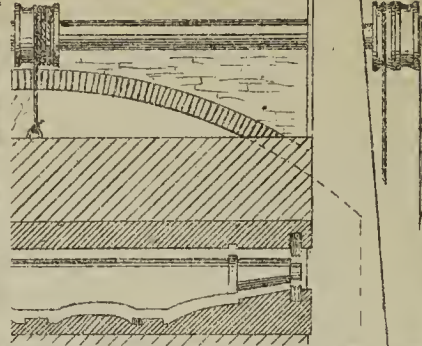
119,862 GEORGE D. LEONARD,
BED-BOTTOMS.



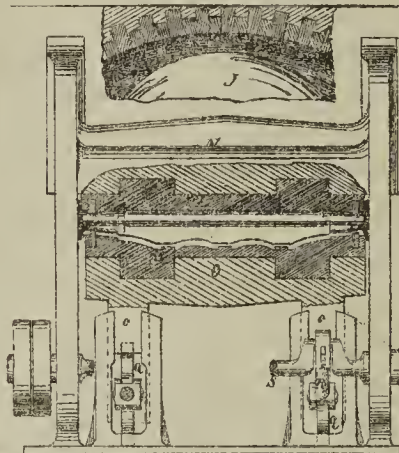
119,863 WILLIAM A. LEWIS,
HOLLOW AXLES FOR WAGONS



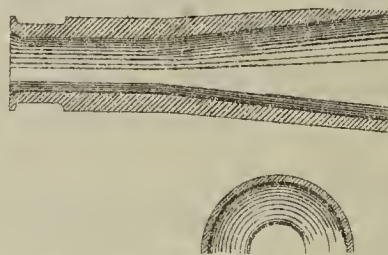
119,864 WILLIAM A. LEWIS,
MAKING HOLLOW METALLIC AXLES



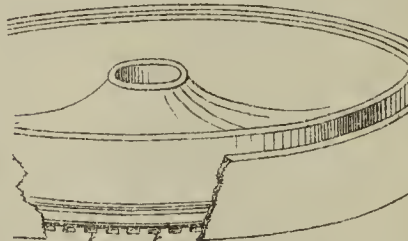
119,865 WILLIAM ARNOLD LEWIS,
APPARATUS FOR WELDING.



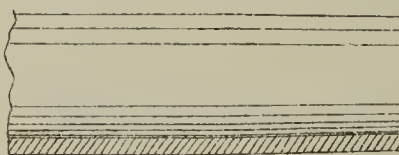
119,866 WILLIAM A. LEWIS,
HOLLOW AXLES FOR RAILROAD CARS.



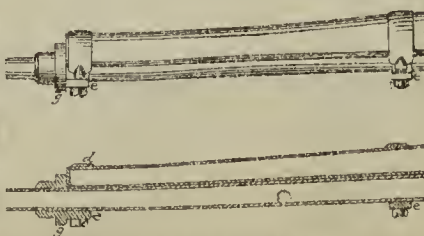
119,867 WILLIAM A. LEWIS,
CAR-WHEELS.



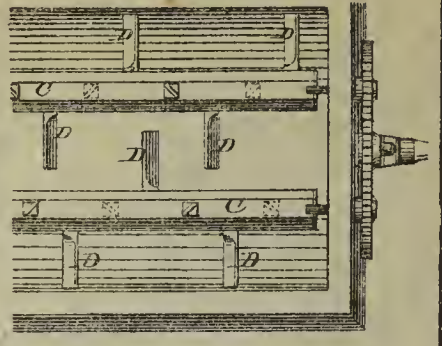
119,868 WILLIAM A. LEWIS,
WROUGHT-METAL AXLES FOR WAGONS



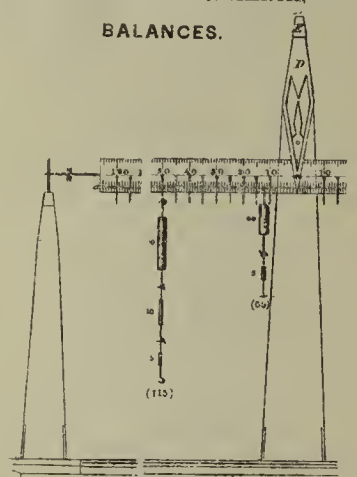
119,869 WILLIAM A. LEWIS,
TUBULAR DOUBLE-ARCH AXLES



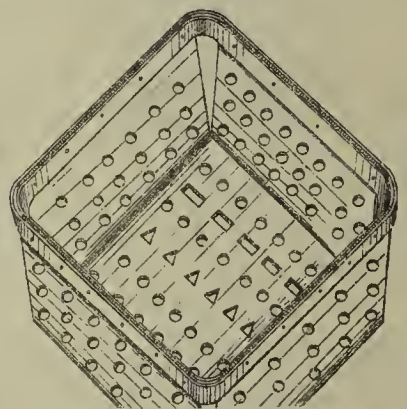
119,870 WILLIAM H. LINK,
CHURNS.



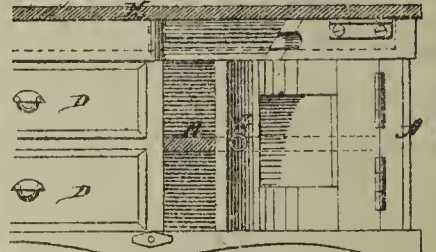
119,871 CHRISTOPHER C. MARSH,
BALANCES.



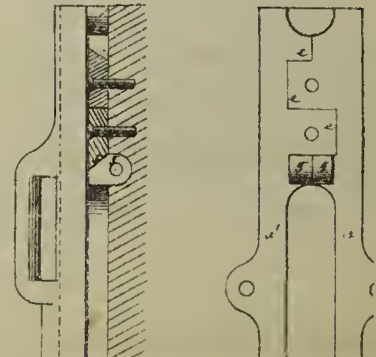
119,872 JOSHUA H. MARVIL,
FRUIT-BOXES.

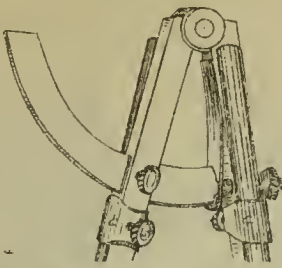
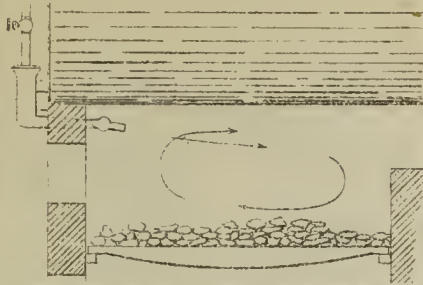
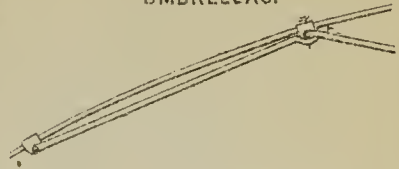
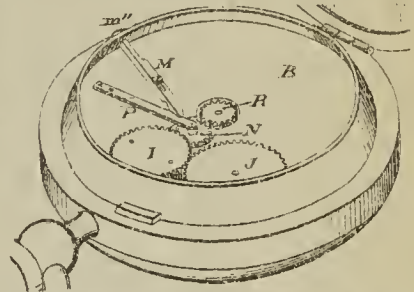
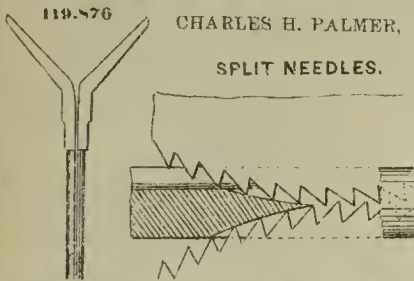
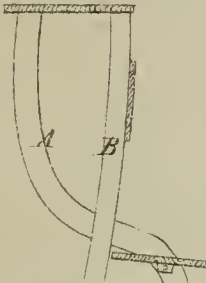
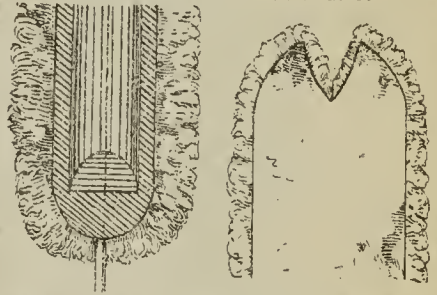
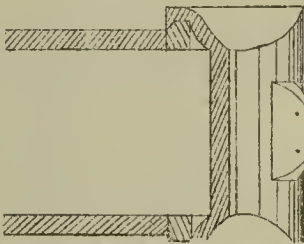
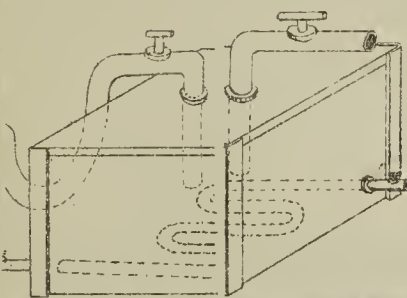
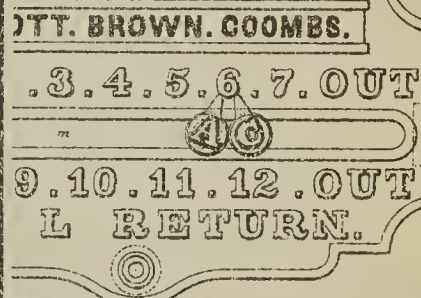
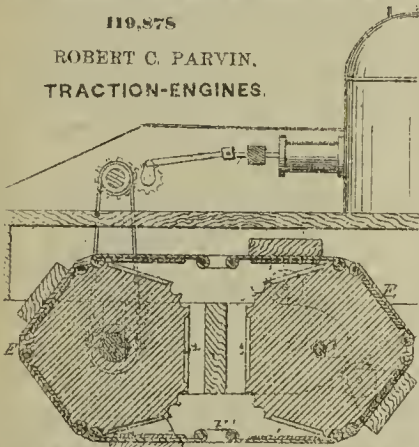
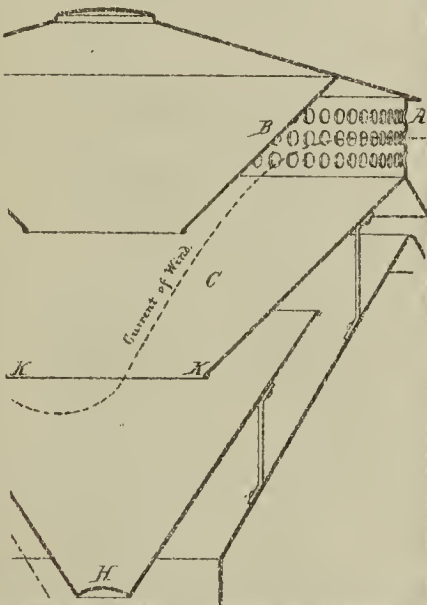
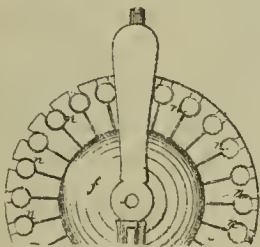
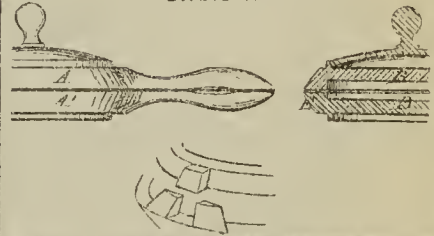
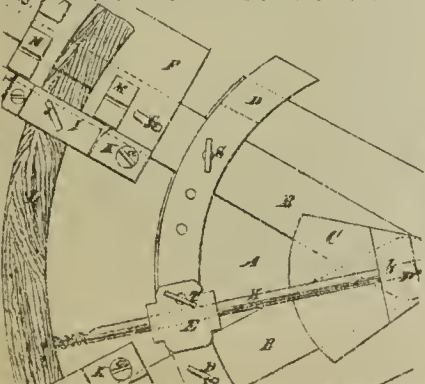
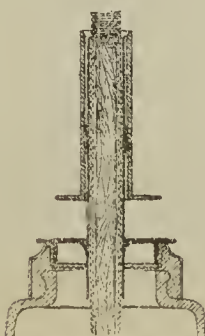
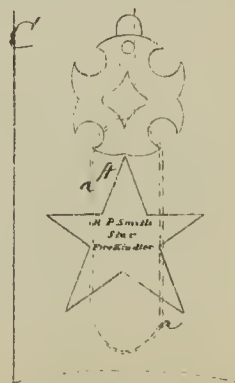


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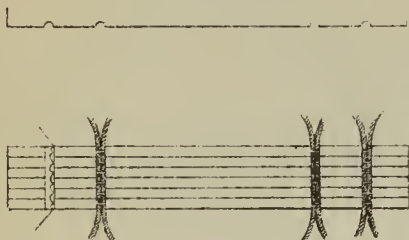


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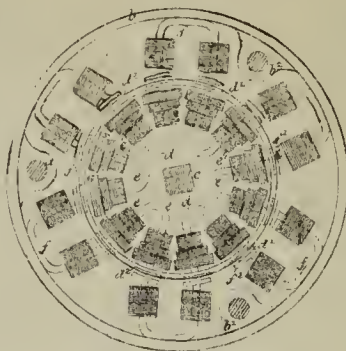


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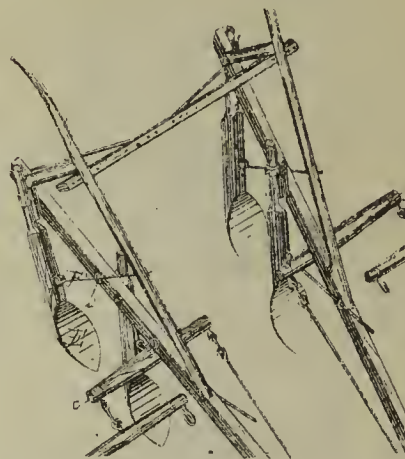
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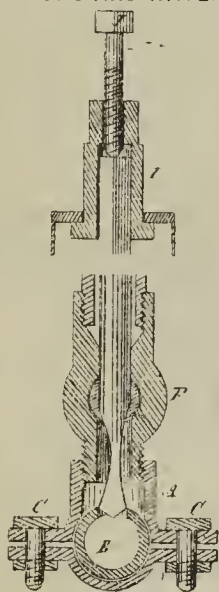
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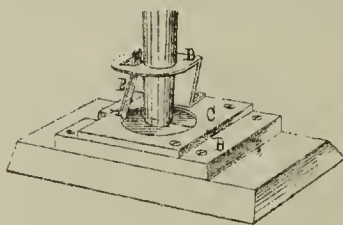
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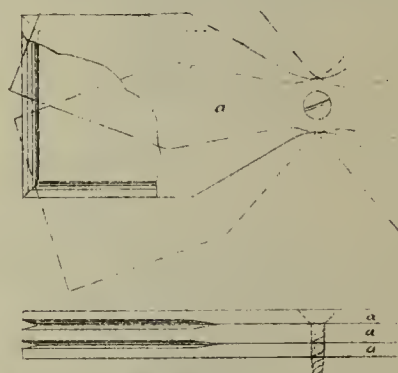
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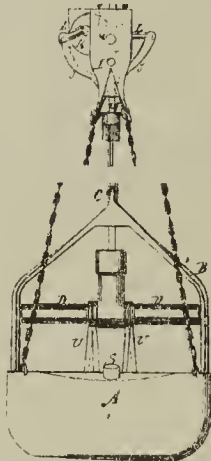
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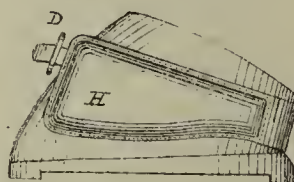
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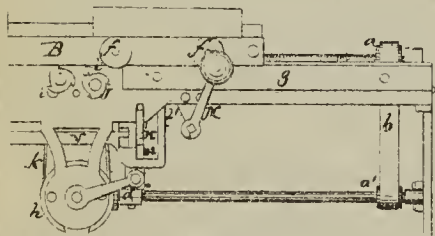
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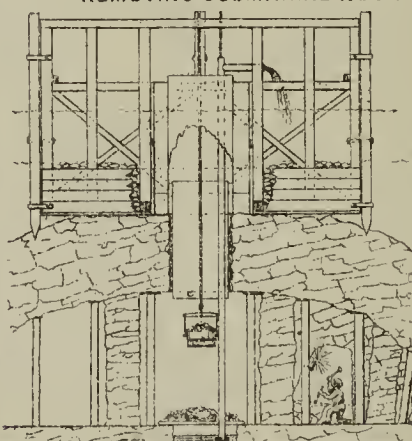
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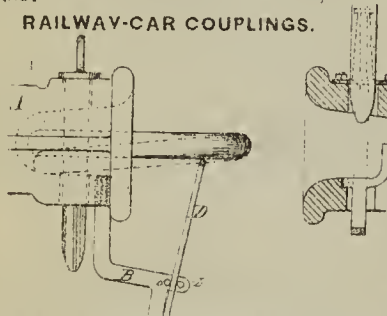
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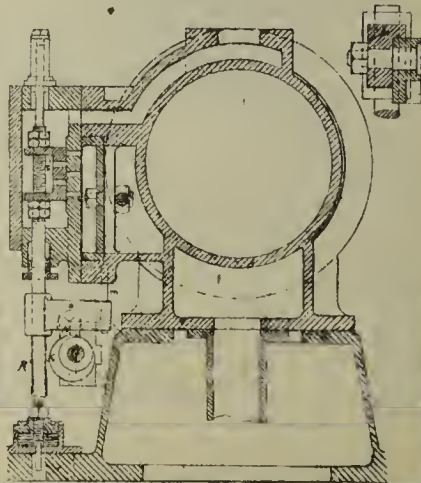
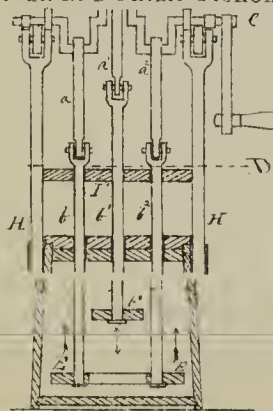
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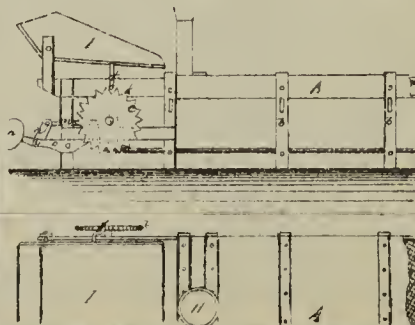
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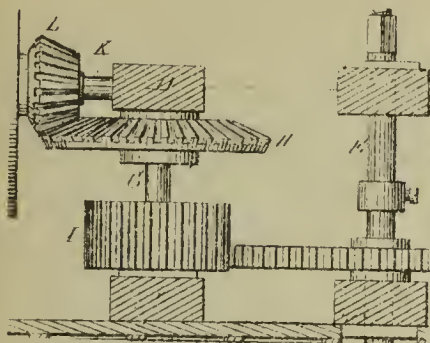
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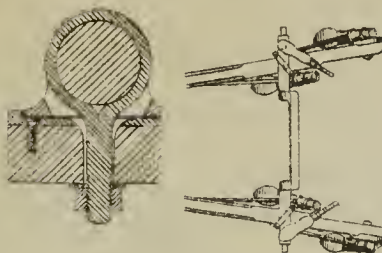
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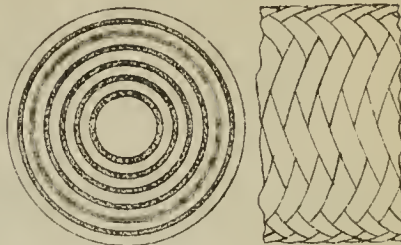
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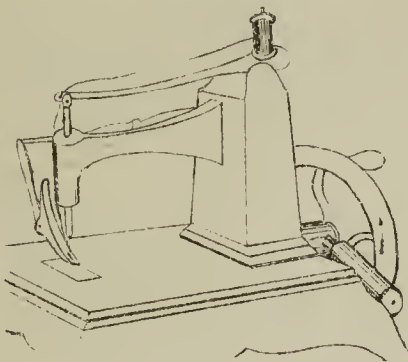
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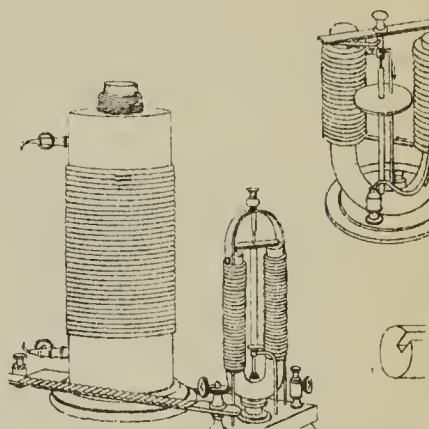
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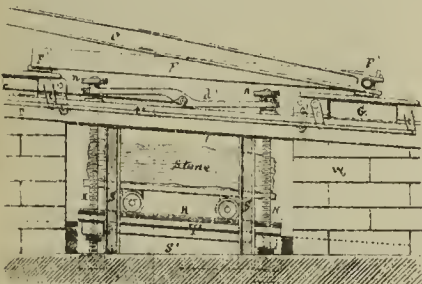
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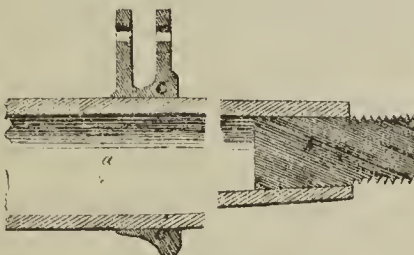
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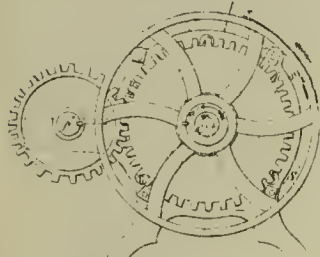
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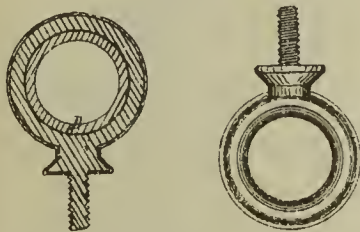
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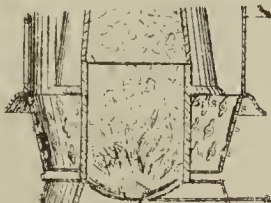
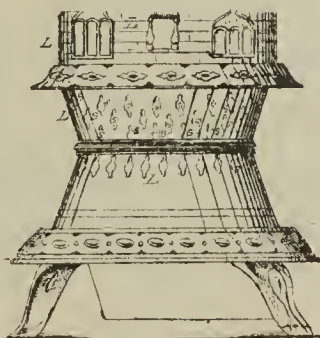
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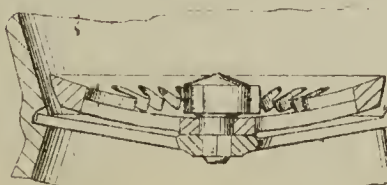
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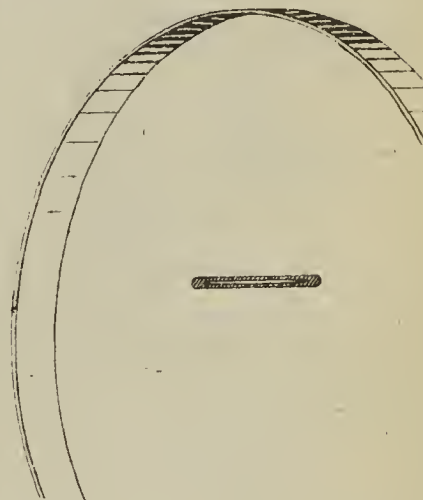
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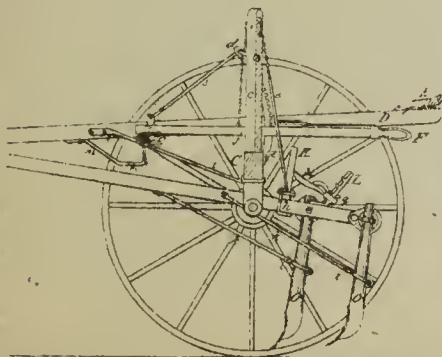
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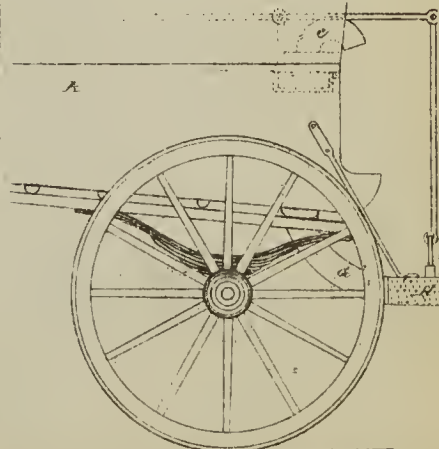
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4,581 BERTRAND AND SAMES,
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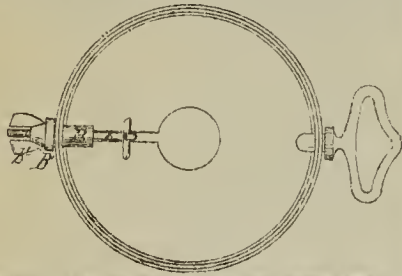
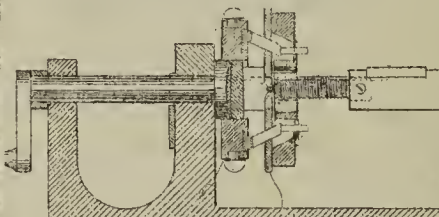
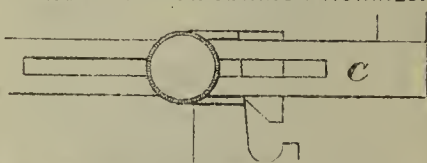
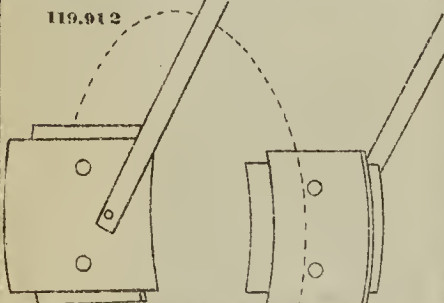


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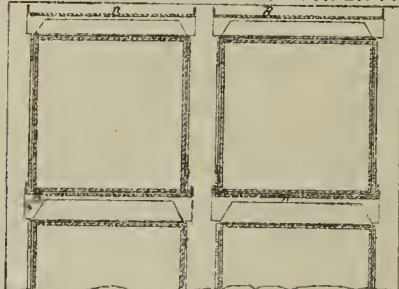
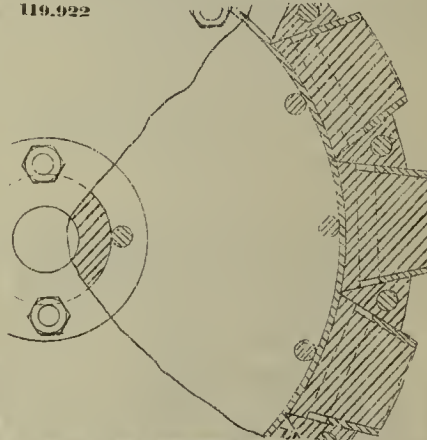
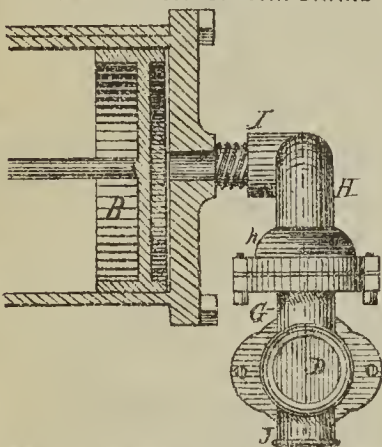
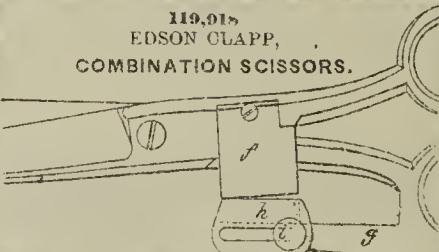
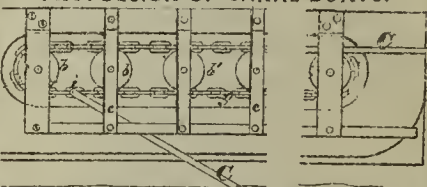
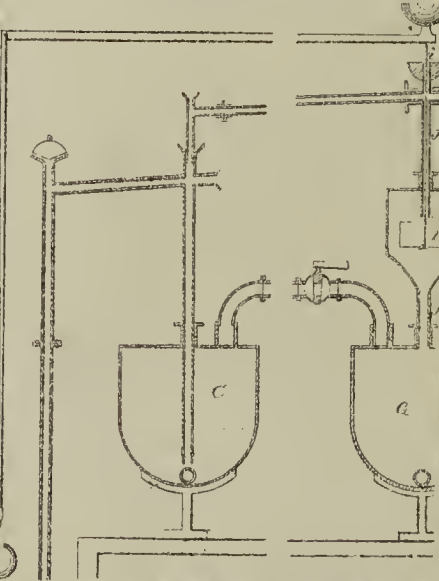
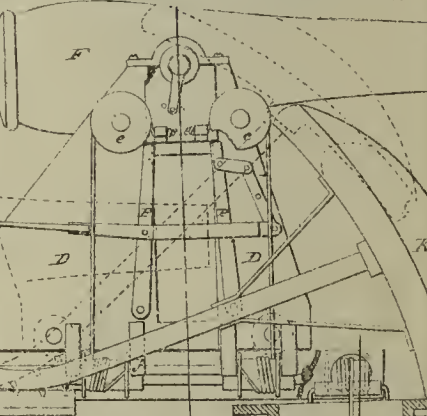
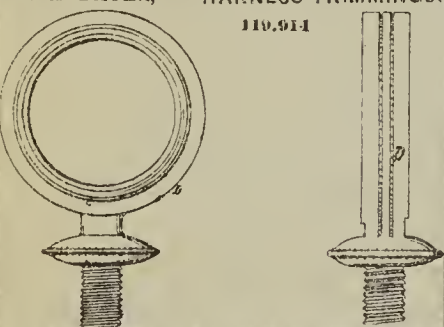
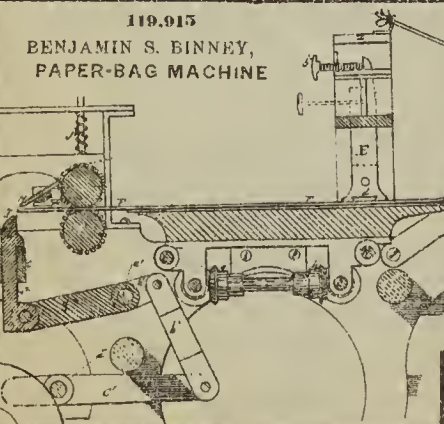
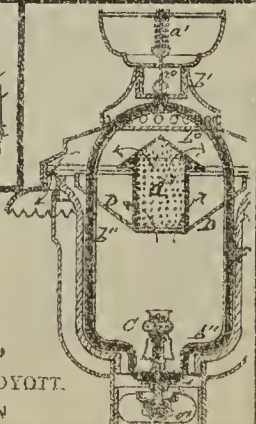
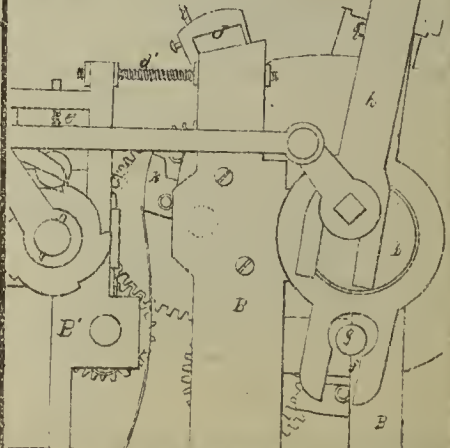


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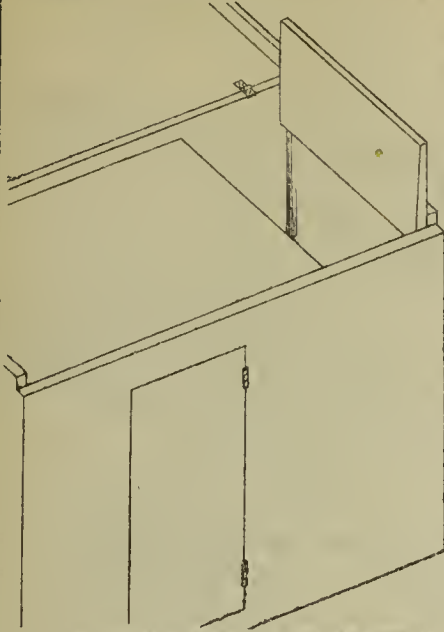
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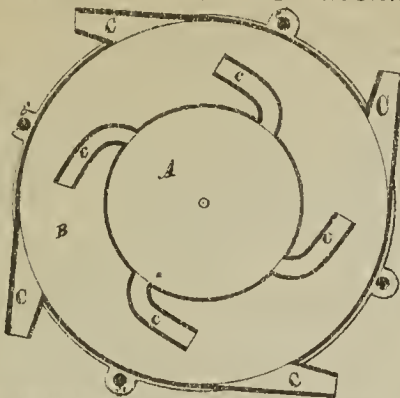
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119,926 BENNINGTON FULTON,
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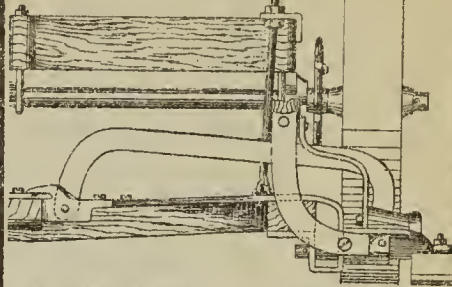


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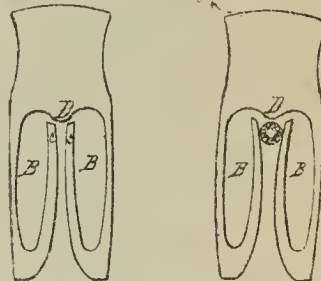


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119,937 HARVESTER

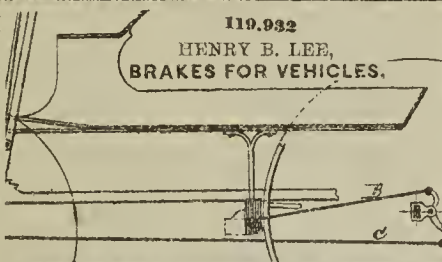


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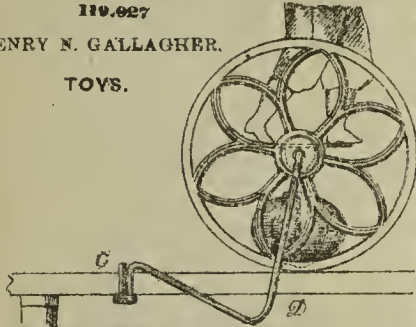
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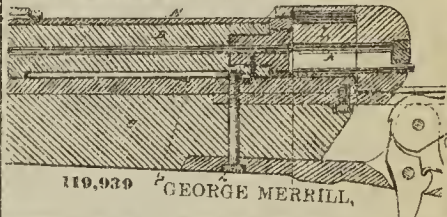
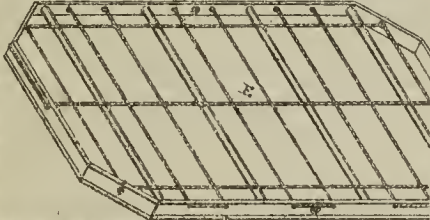


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HENRY N. GALLAGHER,
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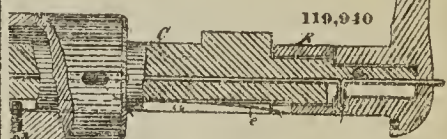


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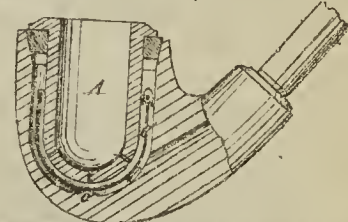
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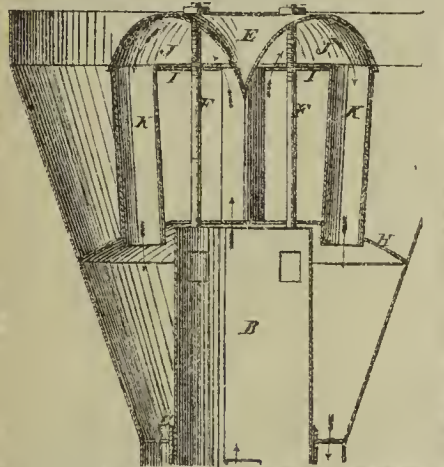


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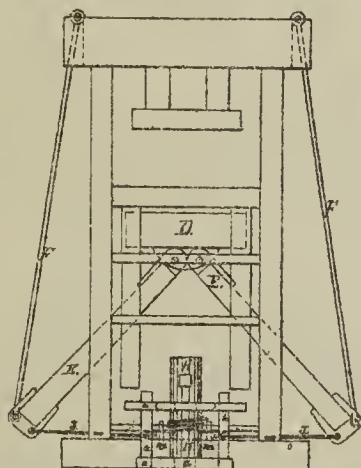
119,941 JOSEPH M. MUR, TOBACCO-PIPE



119,928 BENJAMIN GARVIN,
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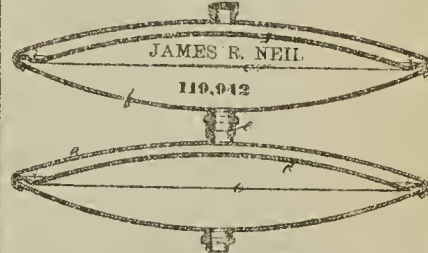
119,934 LEWIS LEWIS, COTTON-PRESSE



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JAMES R. NEIL

119,942



WILLIAM F. GIBSON,
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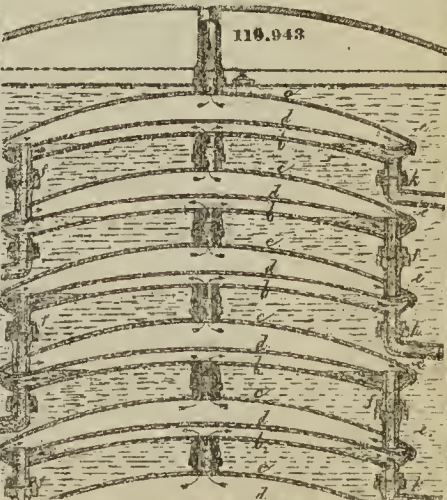
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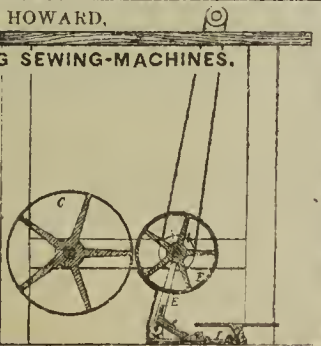
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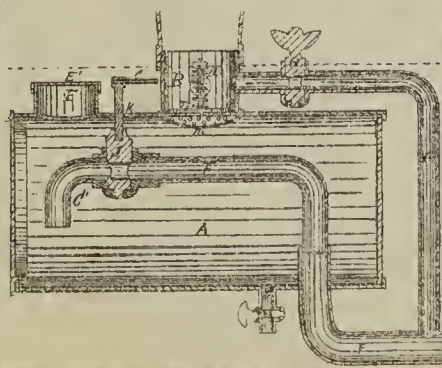


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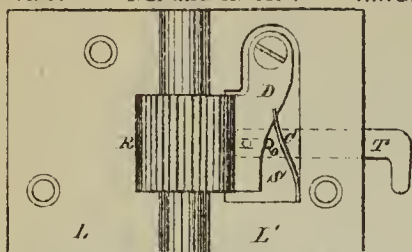
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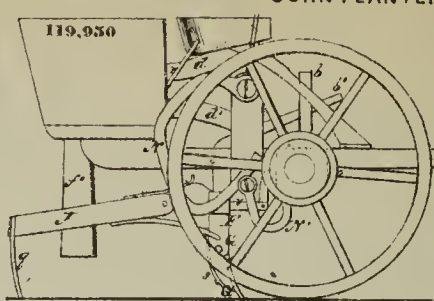
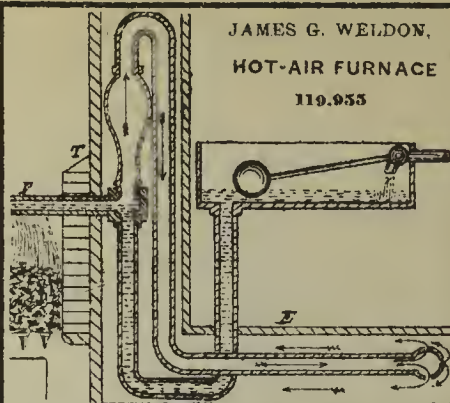
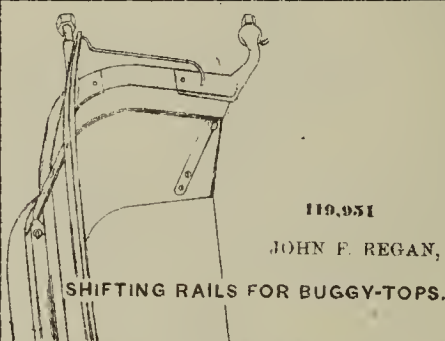
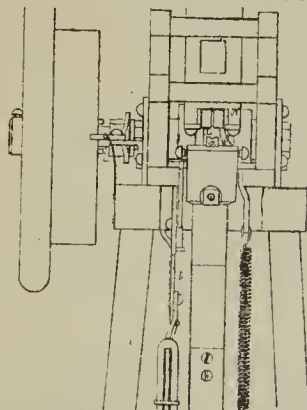
119,936 JOHN H. MANNING,
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119,944 ALFRED A. OAT, HINGE



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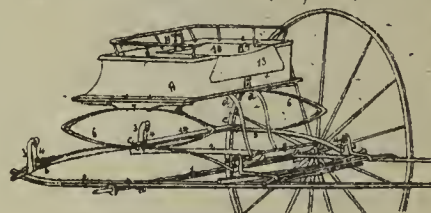
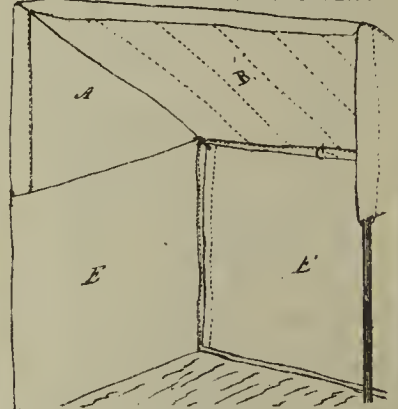
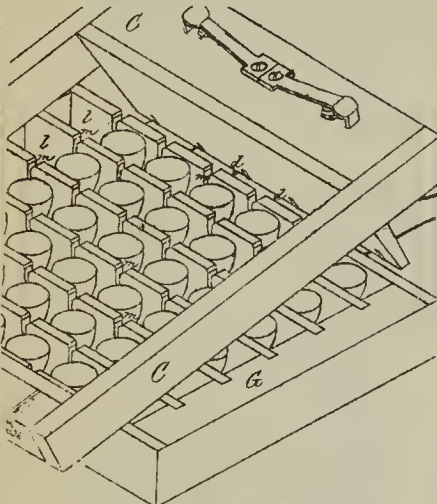
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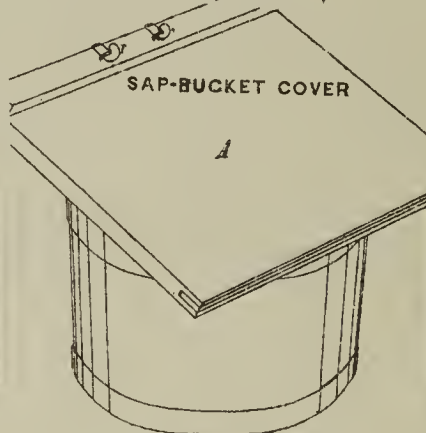
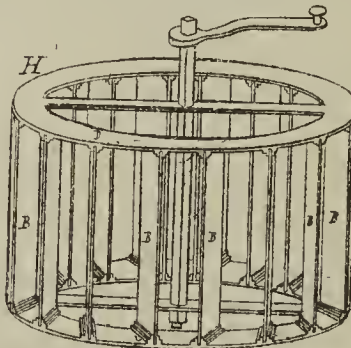
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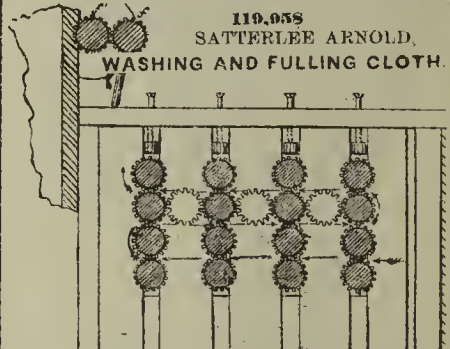
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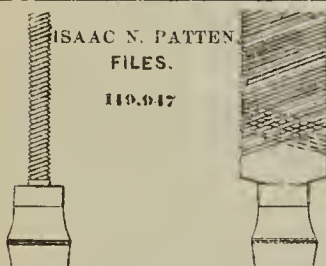
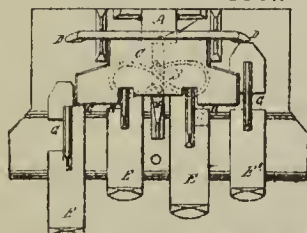
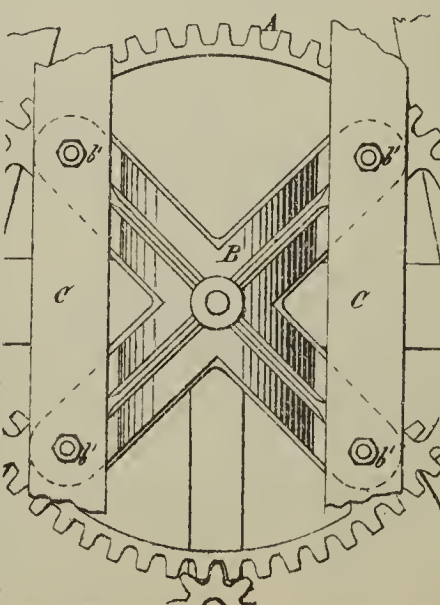
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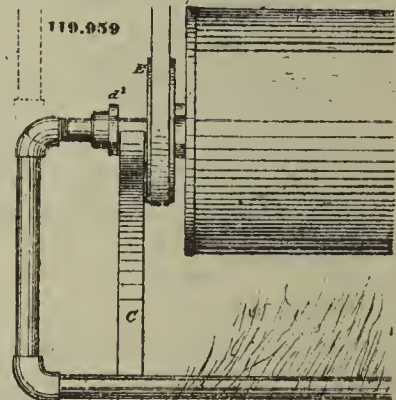
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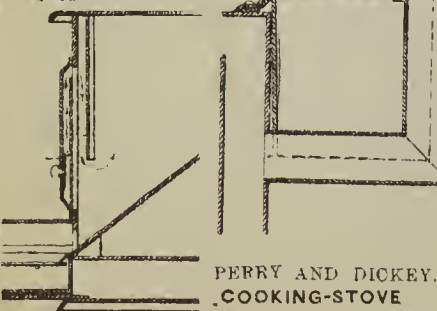
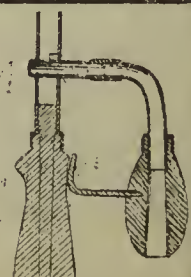
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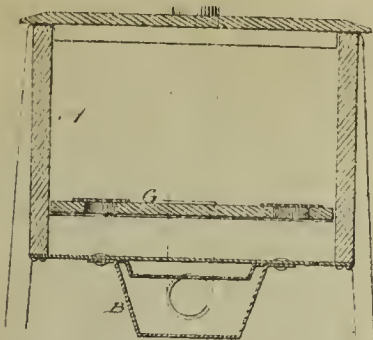
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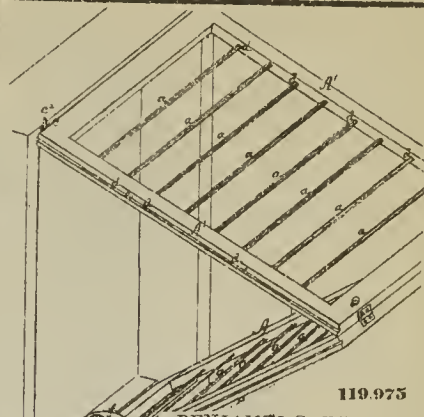
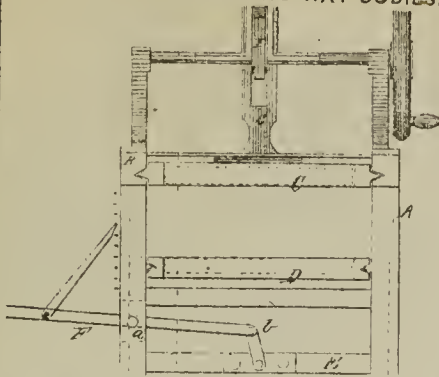
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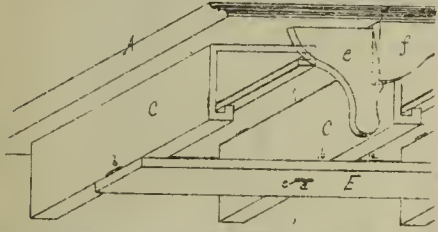
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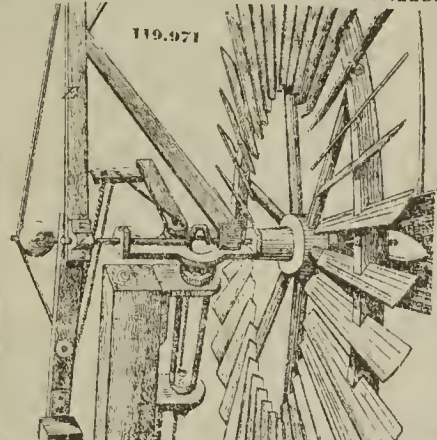
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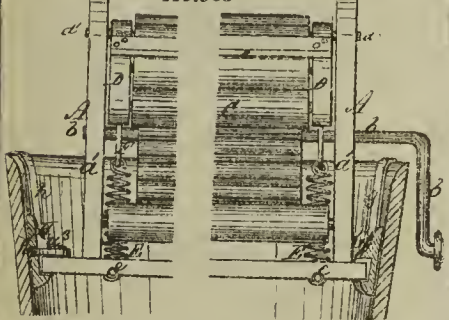
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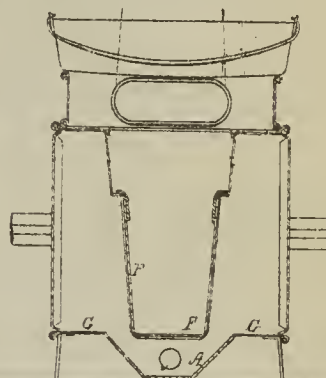
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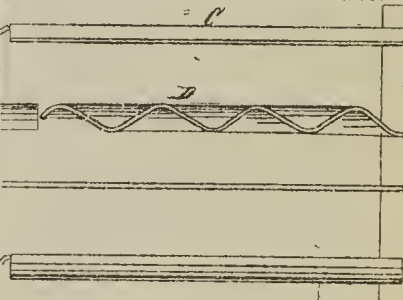
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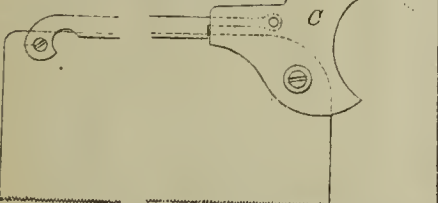
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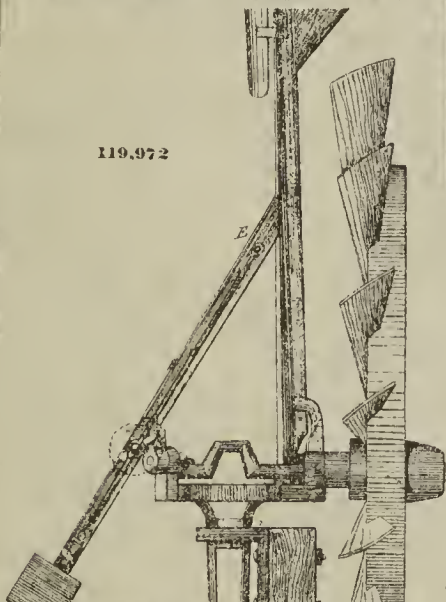
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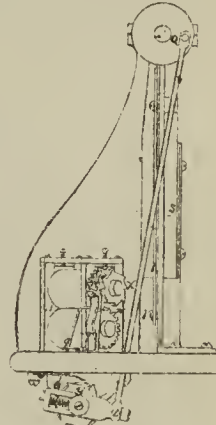
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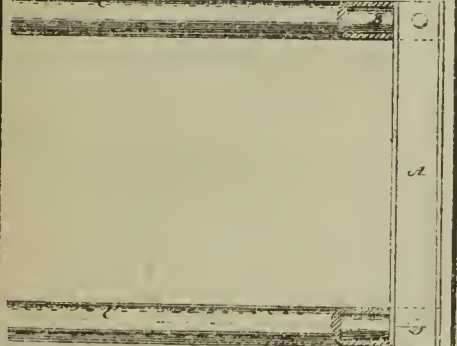
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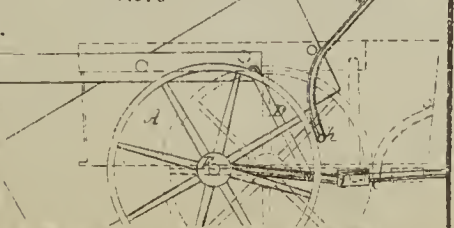
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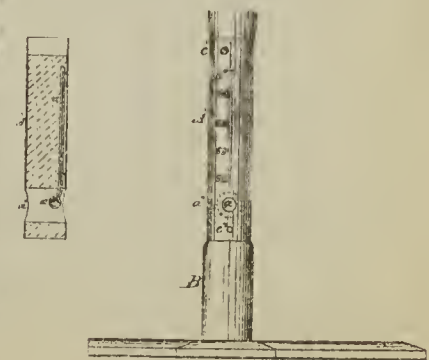
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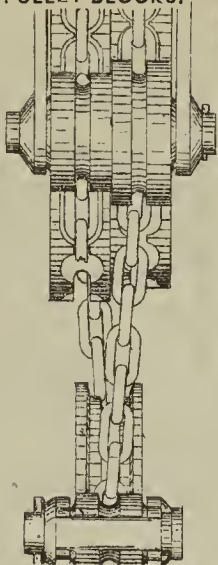
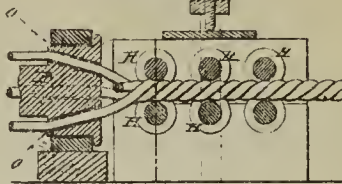
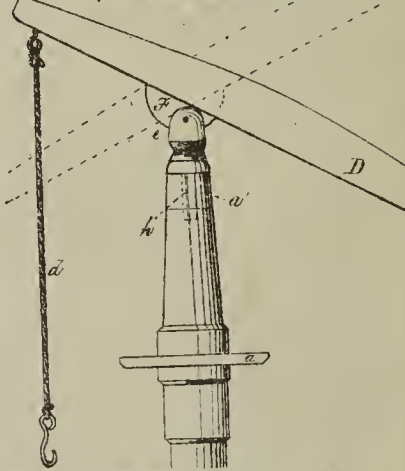
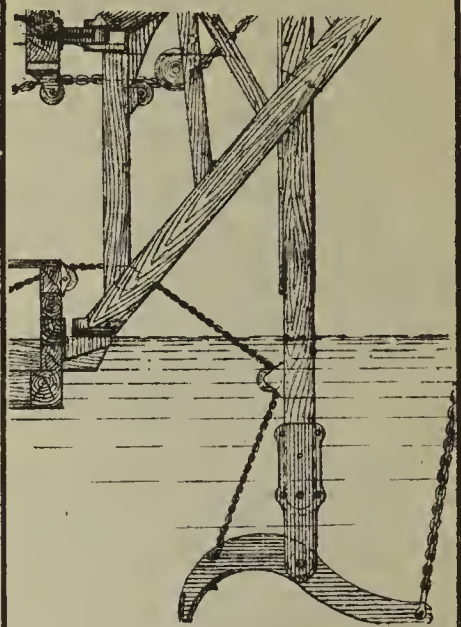
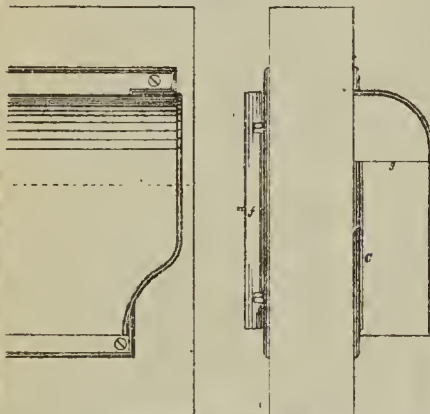
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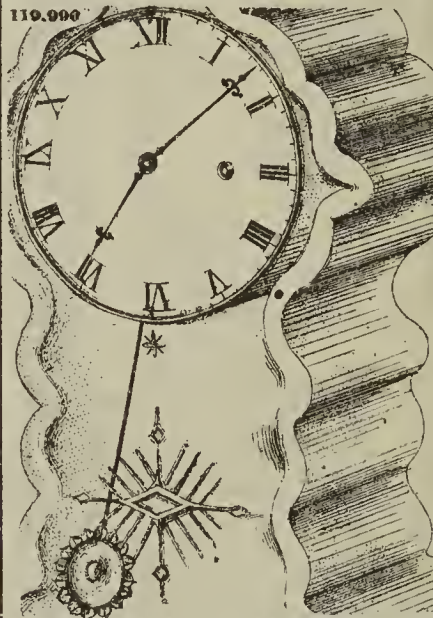
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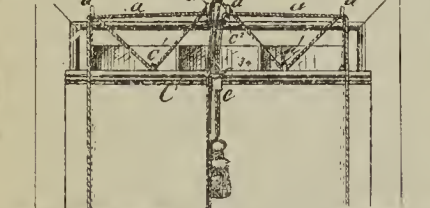
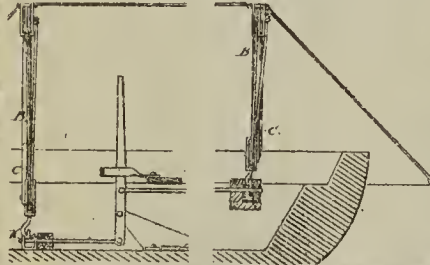
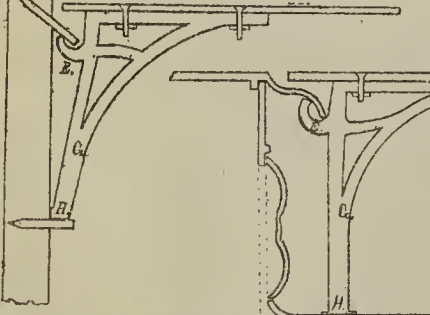
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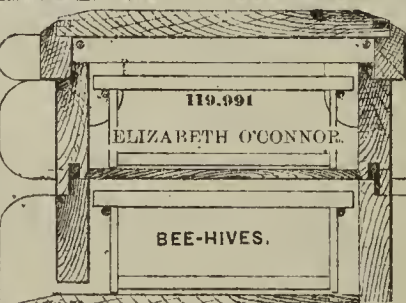
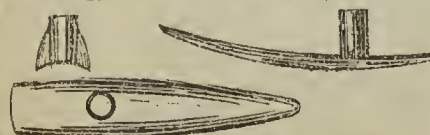
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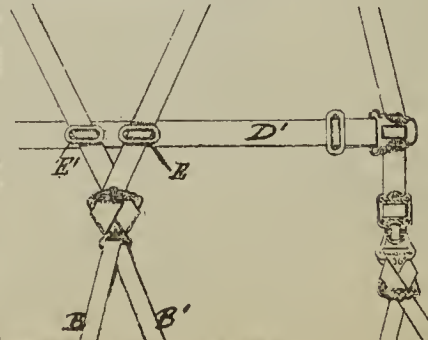
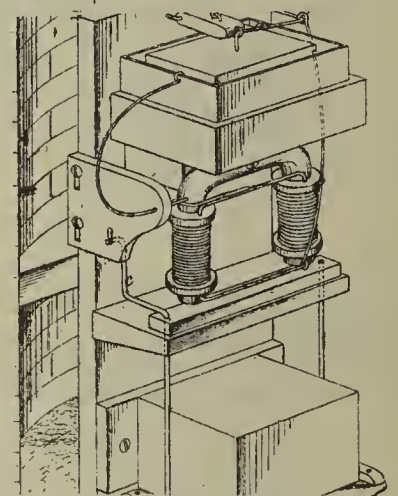
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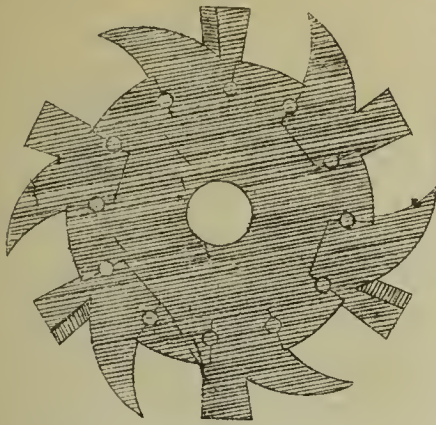
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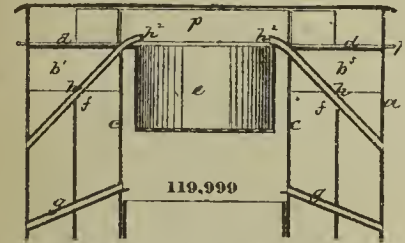
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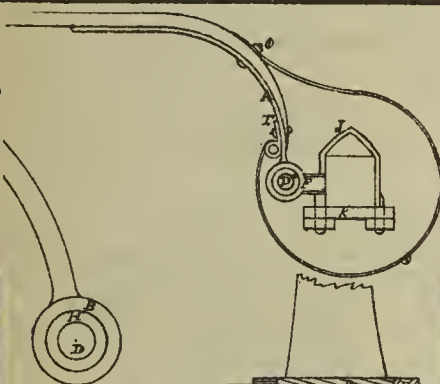
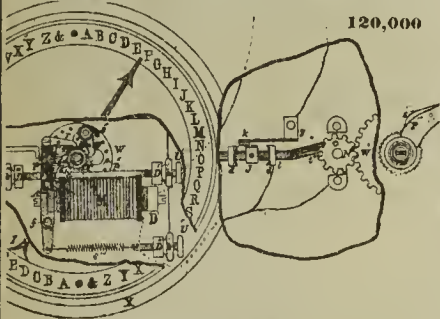
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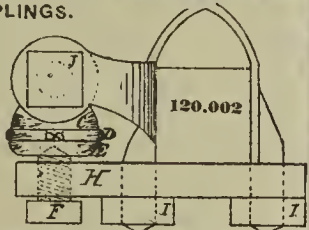
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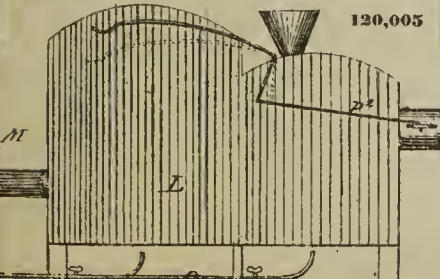
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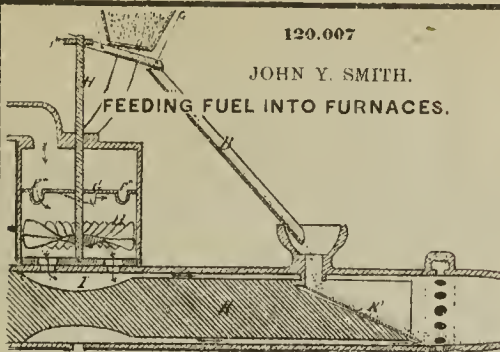
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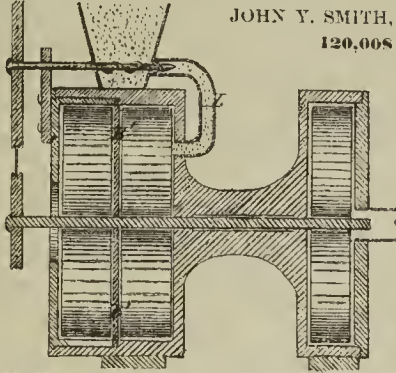
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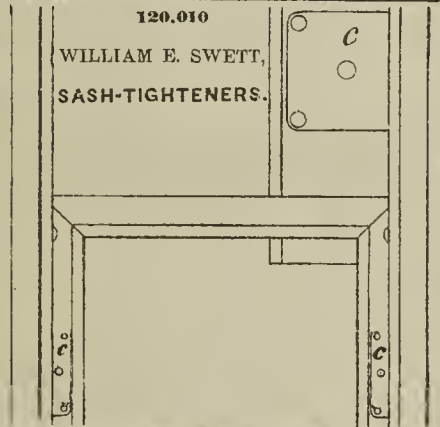
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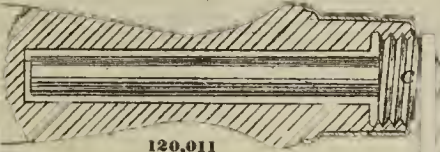
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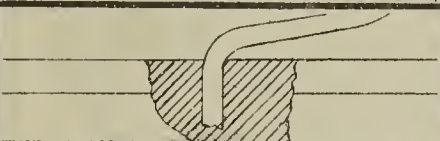
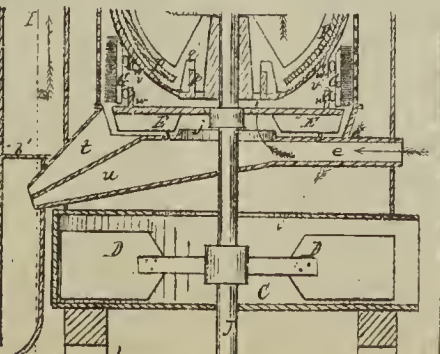
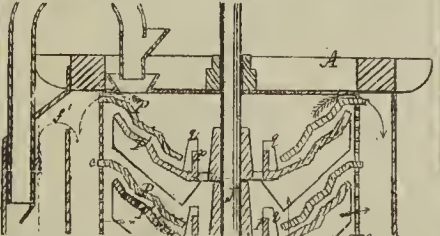
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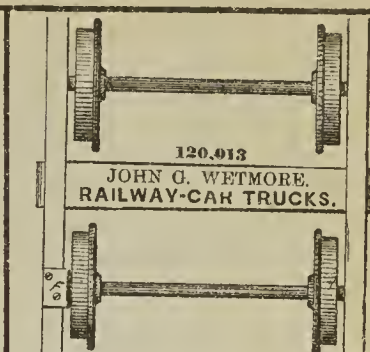
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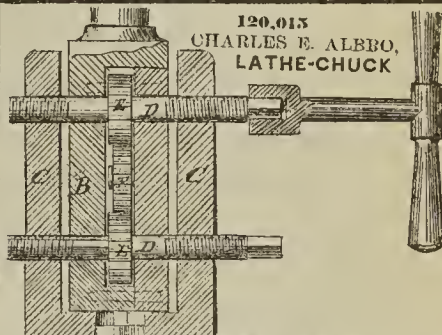
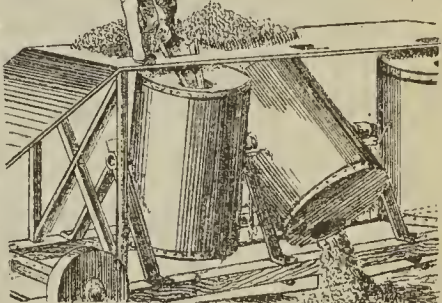
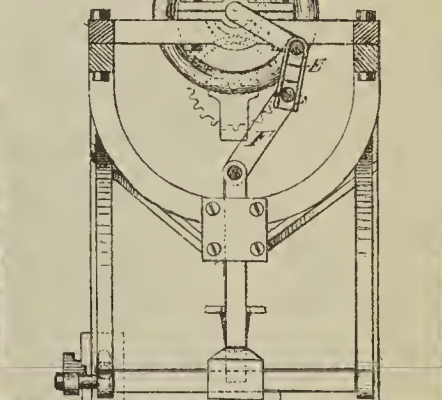
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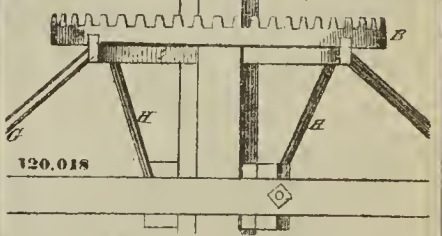
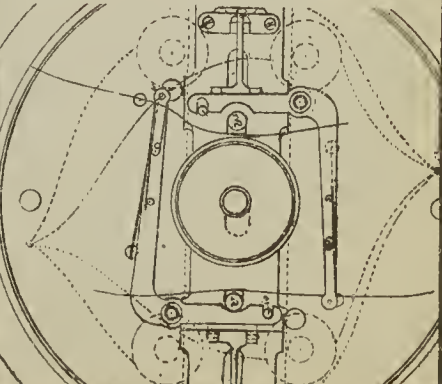
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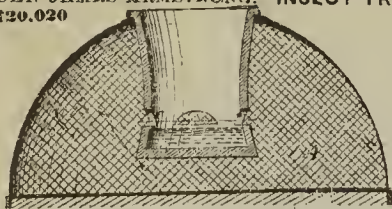
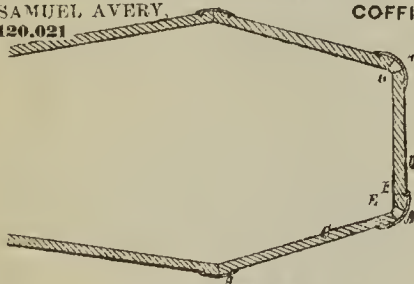
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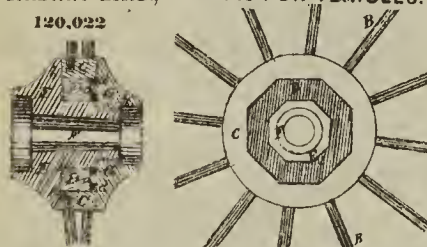
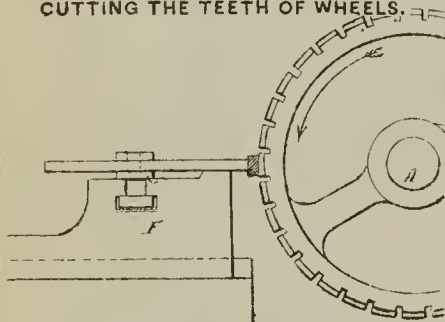
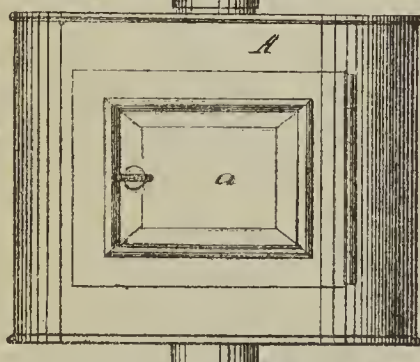
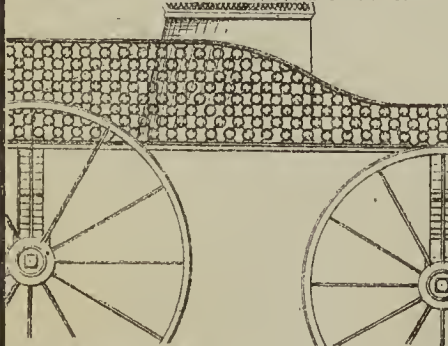
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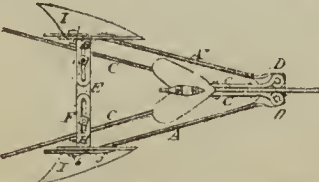
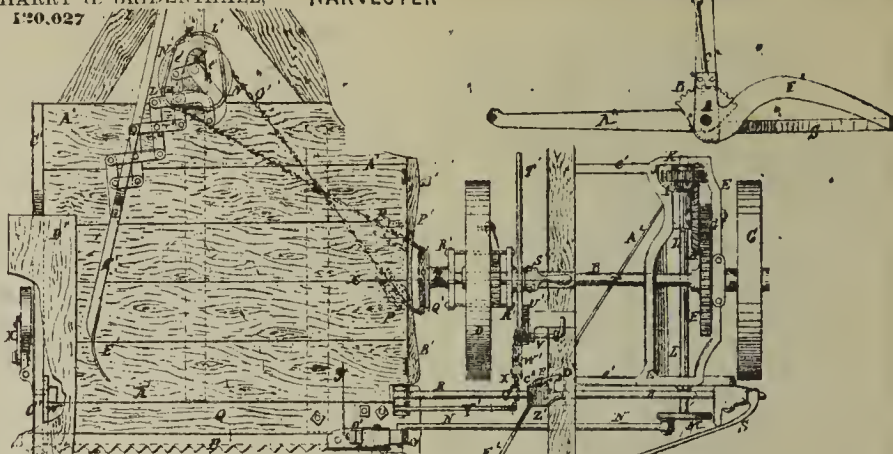
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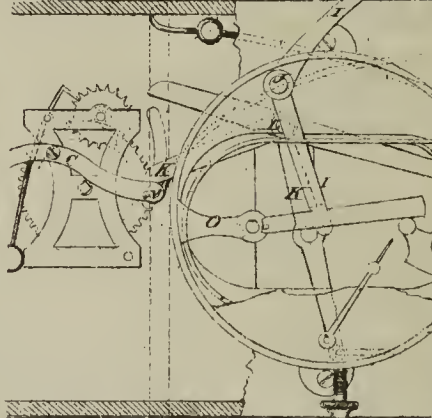
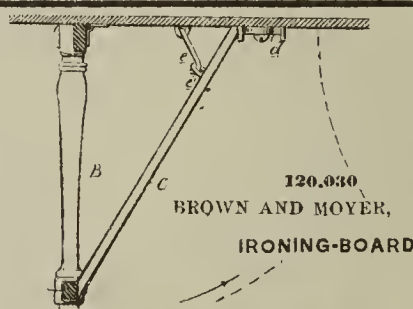
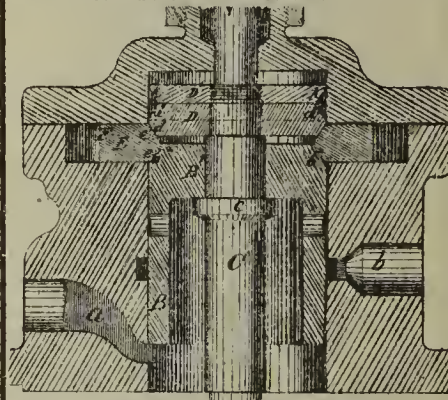
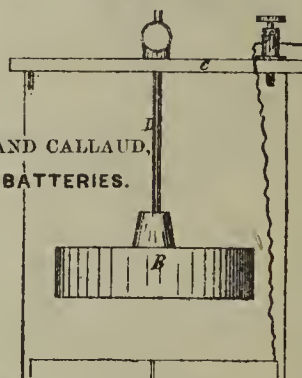
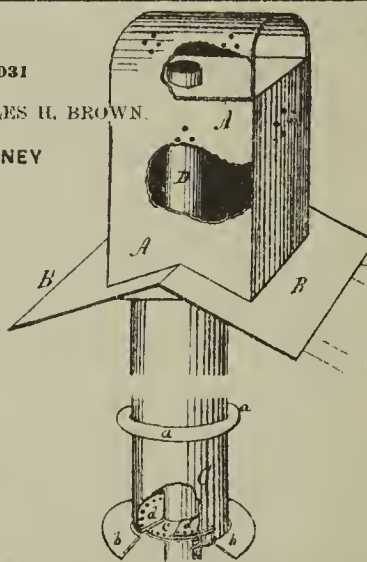
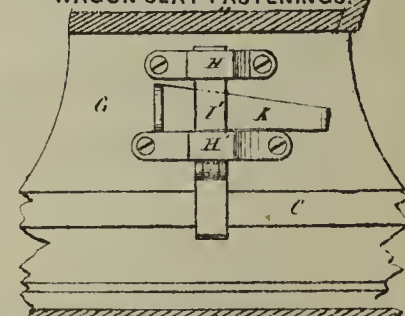
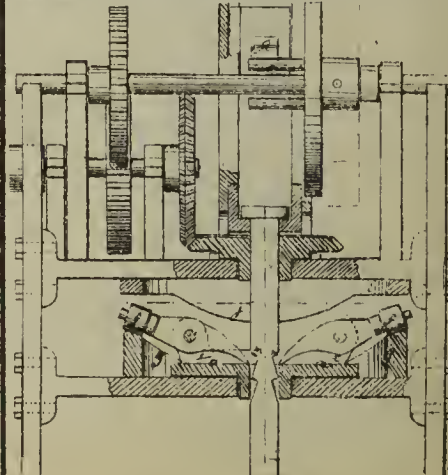
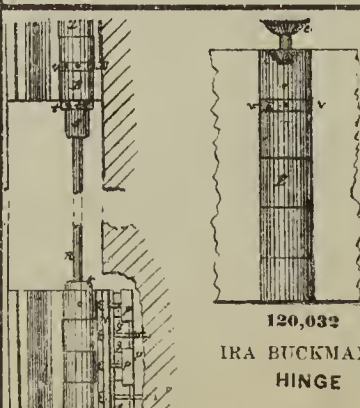
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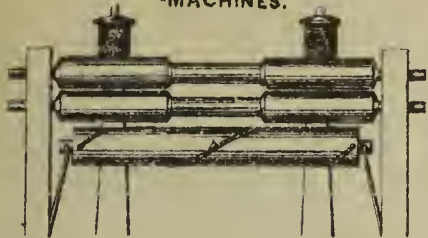
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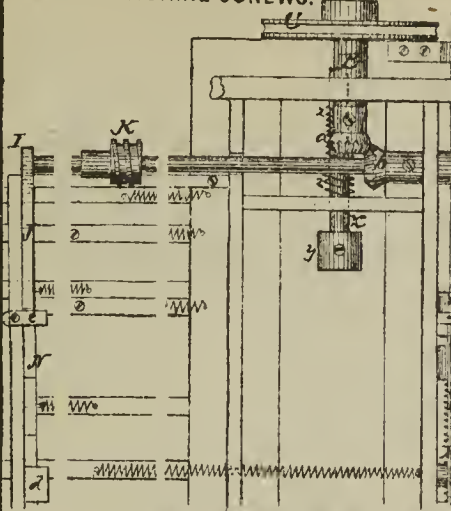
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120,032

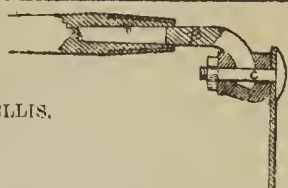
120,037 LINNEUS CHEETHAM.
ROLLER-CLEARERS FOR SPINNING
MACHINES.



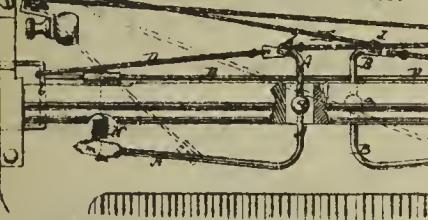
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MAKING MACHINE-SCREWS.



120,050
AUGUSTIN ELLIS.
HOE

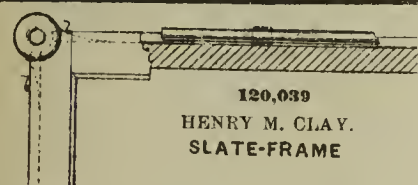
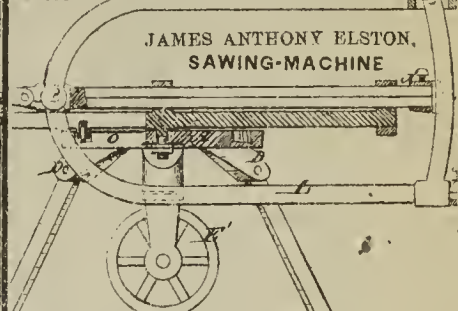


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MUSIC LEAF-TURNERS.

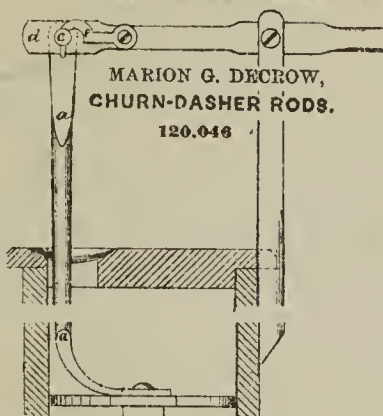


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JAMES ANTHONY ELSTON,
SAWING-MACHINE



120,039
HENRY M. CLAY.
SLATE-FRAME

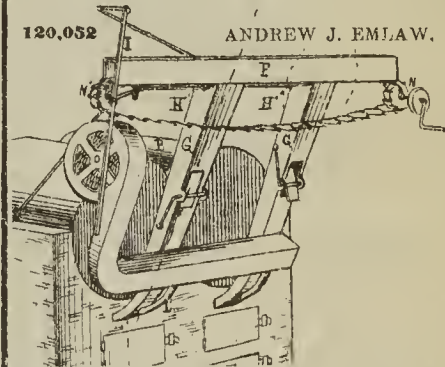


MARION G. DECROW,
CHURN-DASHER RODS.
120,046

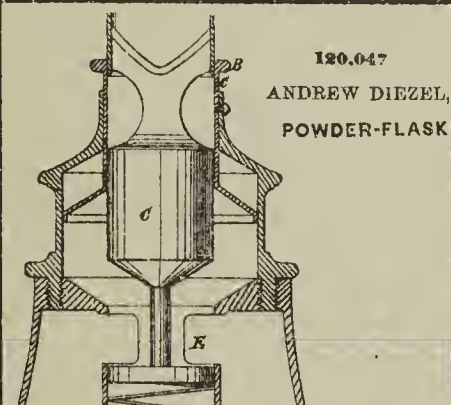
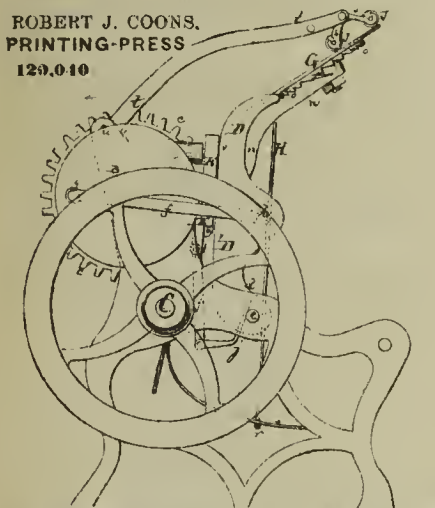
FEEDING SAWDUST TO FURNACES.

120,052

ANDREW J. EMIAW.



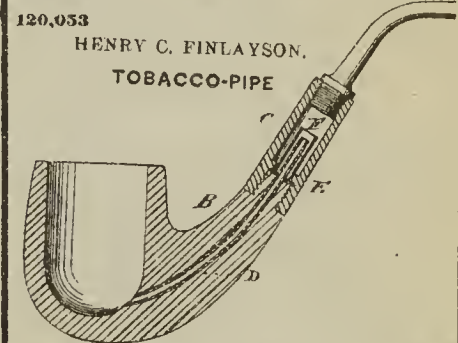
ROBERT J. COONS.
PRINTING-PRESS
120,040



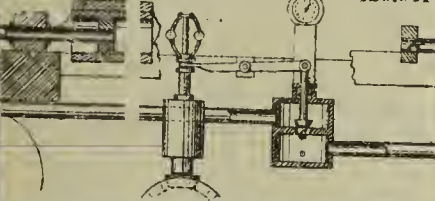
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ANDREW DIEZEL,
POWDER-FLASK

120,053

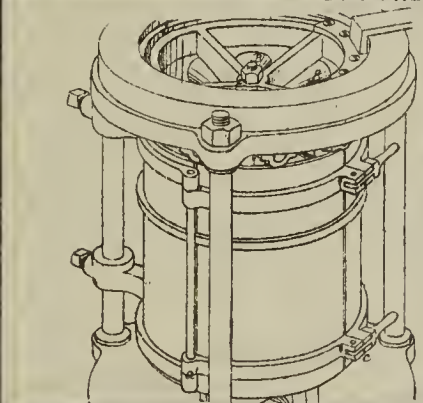
HENRY C. FINLAYSON.
TOBACCO-PIPE



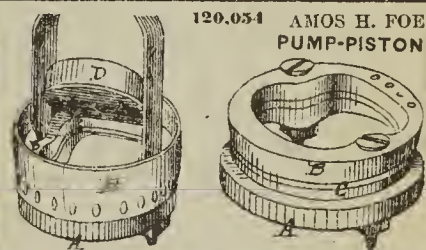
CALVERT B. COTTRELL, PRINTING-PRESS
120,041



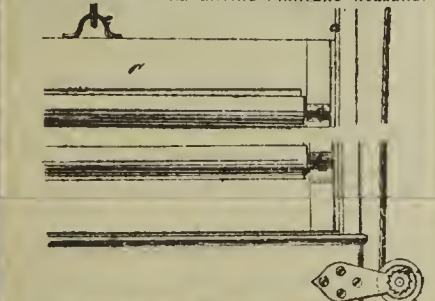
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120,054 AMOS H. FOE,
PUMP-PISTON



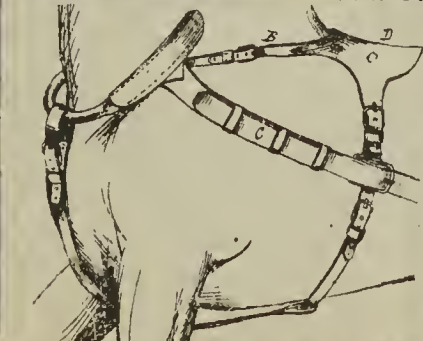
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CLEANING AND PRESERVING PRINTERS' ROLLERS.



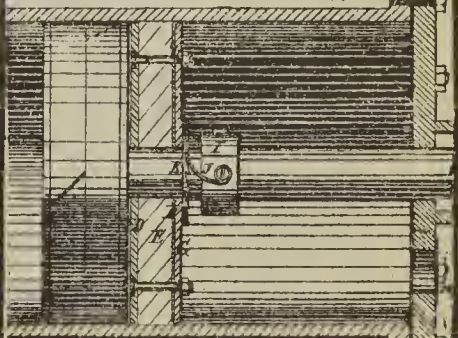
120,055 DAVID D. GIBSON.
PLOW-COLTER



120,049 GEORGE W. DUTTON. HARNESS.

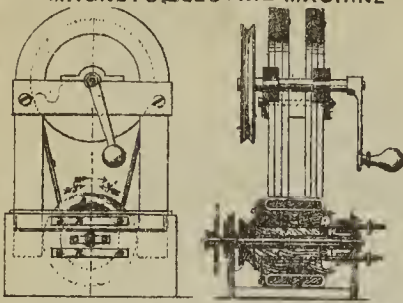
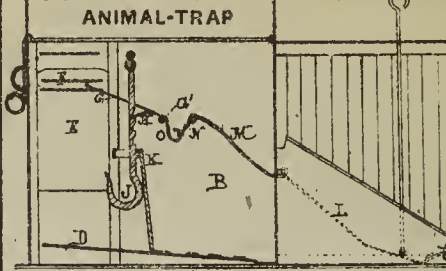


LUBRICATORS FOR STEAM ENGINES.
120,056 SAMUEL N. GOODALE.

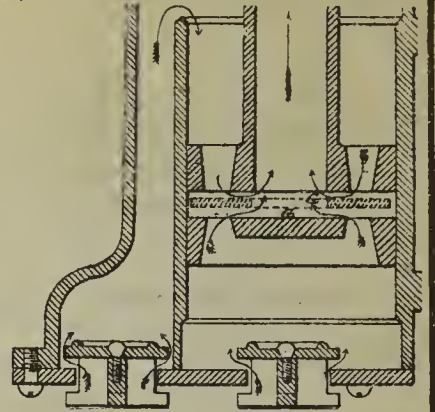


JOHN SPRAGUEN DAVIS. BALE-TIE
120,045

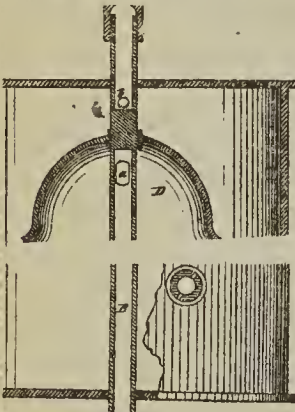
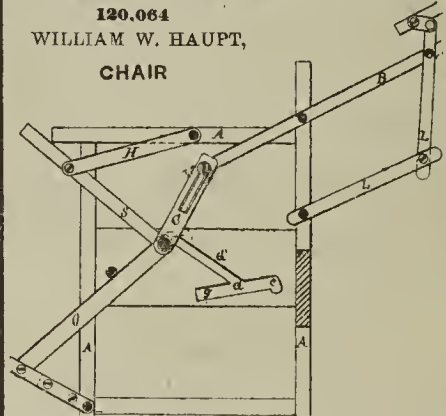


120,057 GRAMME AND D'IVERNOS.
MAGNETO-ELECTRIC MACHINE120,063 GEORGE E. HARDING.
ANIMAL-TRAP

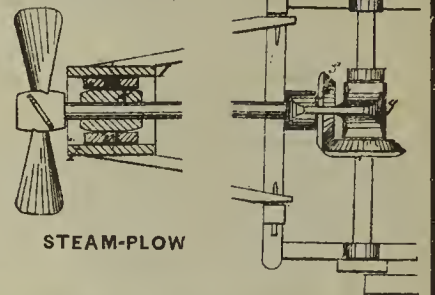
120,070 JOHN HUMPHREY. PUMP-PISTON



120,058 JOSHUA GRAY. GAS-LAMP

120,064 WILLIAM W. HAUPT,
CHAIR

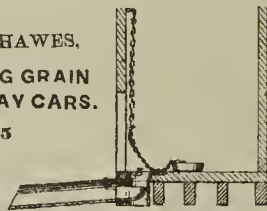
120,071 OLIVER HYDE,



STEAM-PLOW

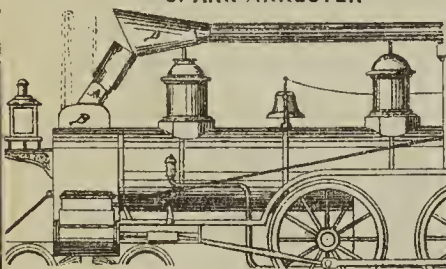
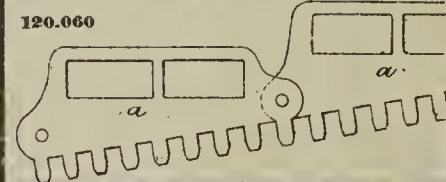
SAMUEL W. HAWES.
DISCHARGING GRAIN
FROM RAILWAY CARS.

120,065

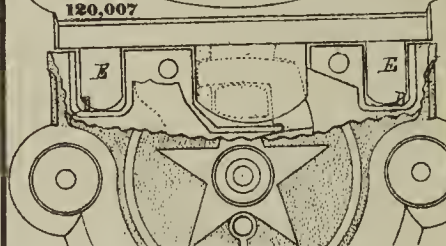


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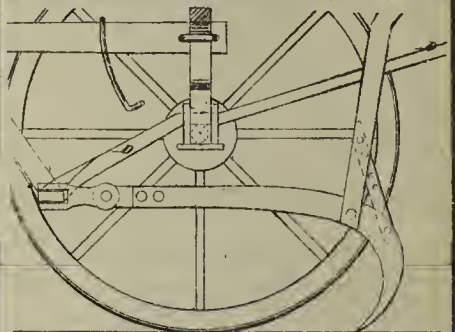
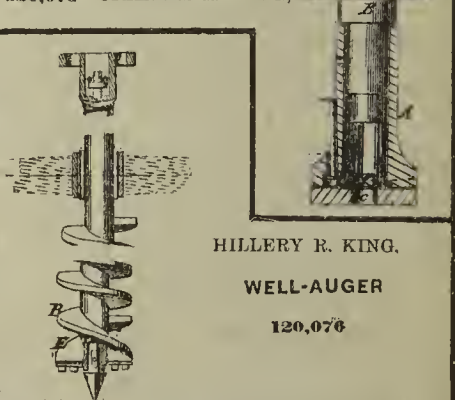
PANORAMIC SCHOOL APPARATUS

120,059 GREACEN AND GREACEN.
SPARK-ARRESTERHEEBNER AND HEEBNER, HORSE-POWER
120,060LOUIS HILLEBRAND AND DANIEL WOLF.
B.
TRUNK-LID GUIDES.

120,007



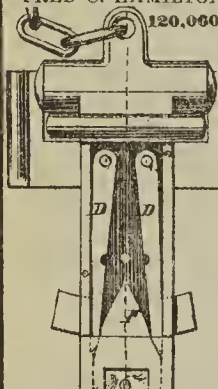
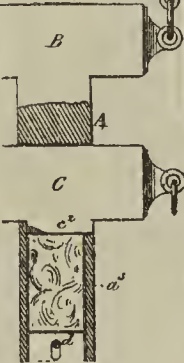
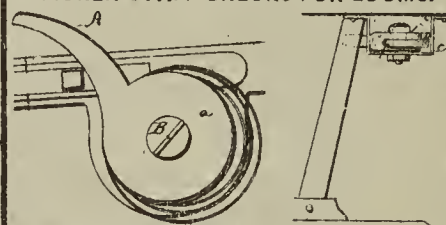
120,073 PHILIP R. JENKINS. CULTIVATOR

MEANS FOR UNCAPPING CARTRIDGES.
120,075 CHARLES A. KING,

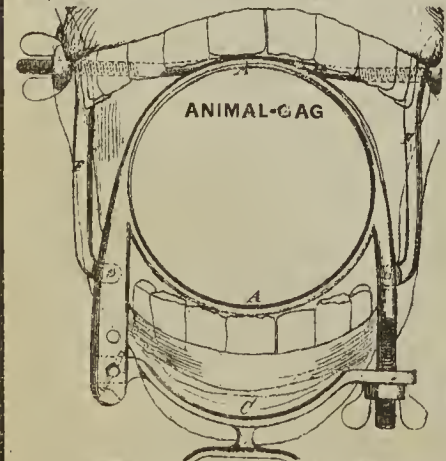
HILLERY R. KING.

WELL-AUGER

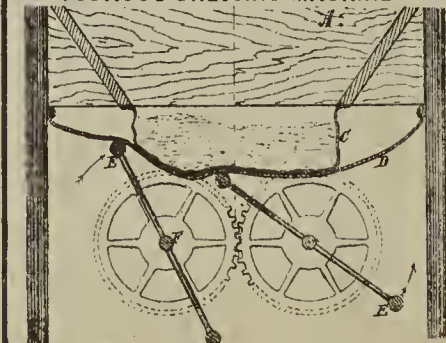
120,076

FRED C. HAMILTON,
120,060SEAL-BOLTS.
120,061120,068 CYRUS AUGUSTUS HOOPER.
PICKER-STAFF CHECKS FOR LOOMS.

120,062 W. H. HARRISON HALLOCK

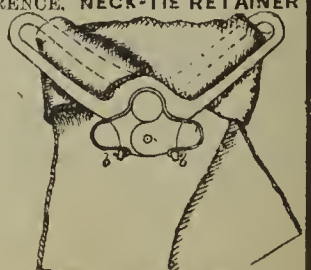


ANIMAL-GAG

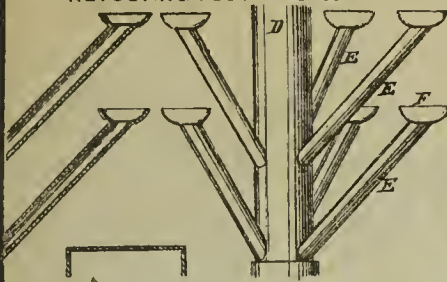
120,069 JAMES H. HOWE,
TOBACCO-DRESSING MACHINE

HENRY LAURENCE. NECK-TIE RETAINER

120,077



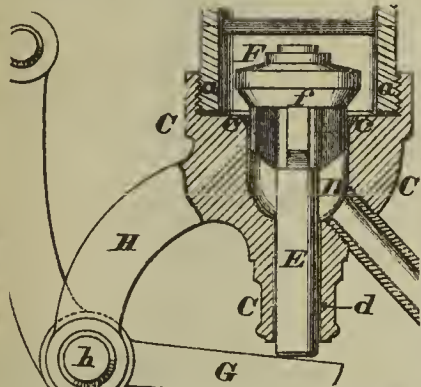
120,078 THOMAS LESLIE,
REVOLVING FLOWER-STANDS.



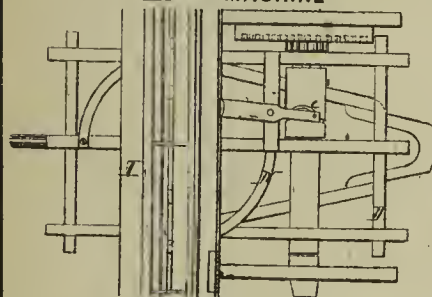
120,079 HENRY AUGUSTUS LÜTTGENS,
BODY-LOOPS FOR CARRIAGES.



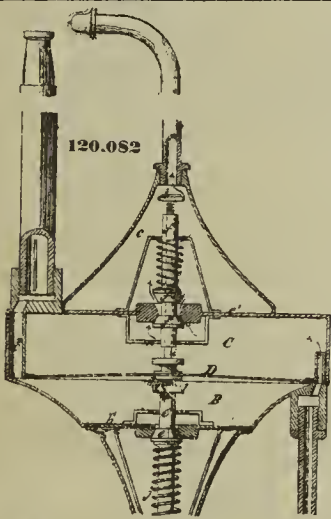
120,080 MASON AND MCCRUM,
CYLINDER-COCK



120,081 SAMUEL O. MASTERS,
SEEDING-MACHINE

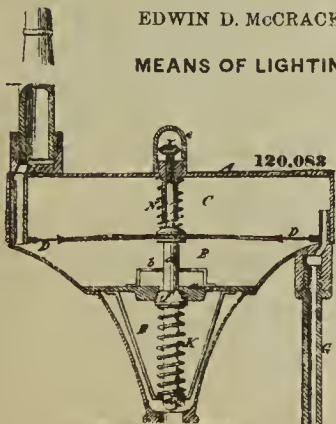


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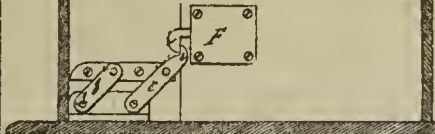


EDWIN D. McCracken,
MEANS OF LIGHTING GAS.

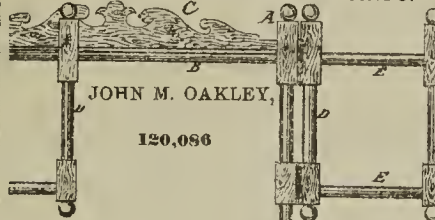
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120,085 OTTO NAUEN.
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TOWEL-RACKS FOR WASHSTANDS.

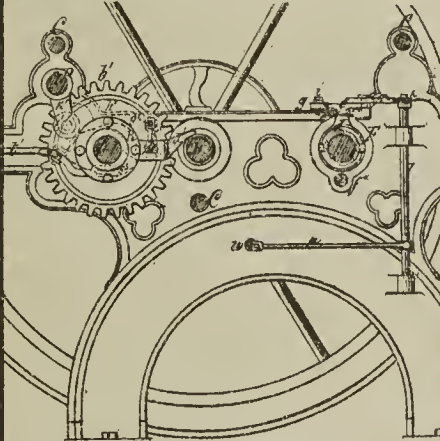


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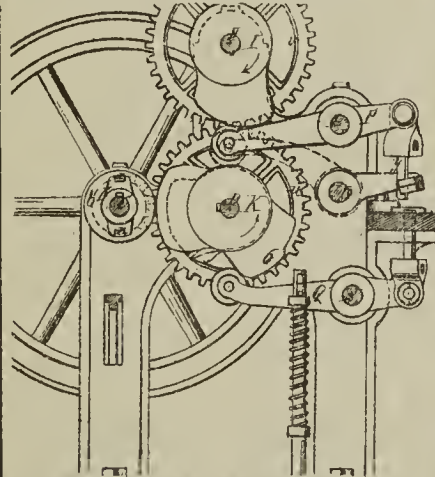
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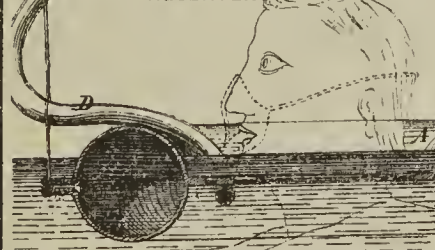
120,087 ADOLF OEHME
BENDING AND CHANNELING HORSESHOES



120,088 ADOLF OEHME,
BENDING THE CALKS ON HORSESHOES.

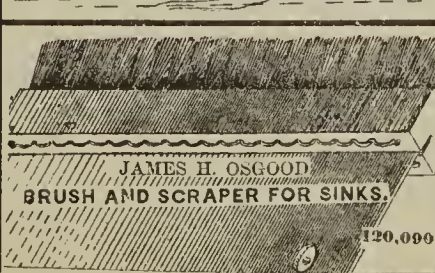


MARCUS ORMSBEE, 120,089
LIFE-PRESERVER

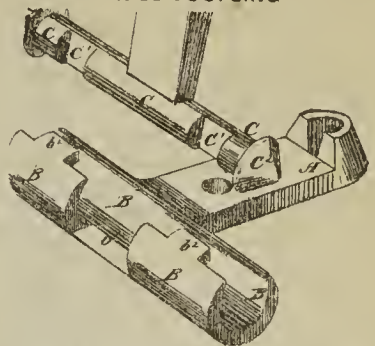


JAMES H. OSGOOD
BRUSH AND SCRAPER FOR SINKS.

120,090

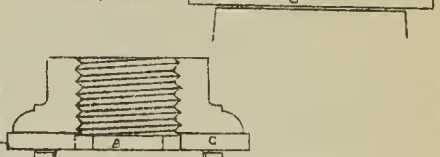


120,091 JAMES W. OULTON,
THILL-COUPLING

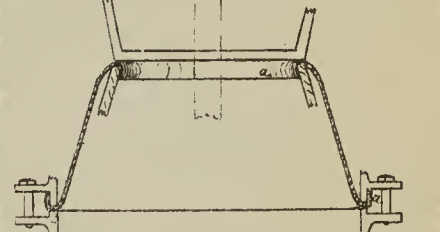


CHARLES PADDOCK,
THIMBLE-SKEINS.

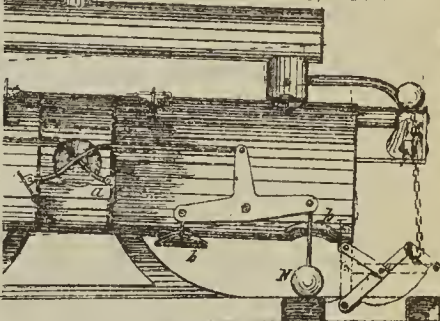
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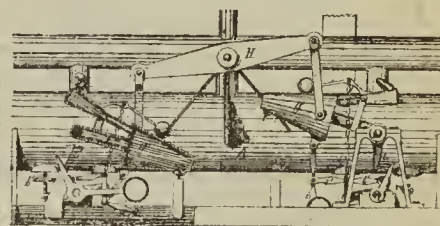
120,093 JOHN S. PATRIC,
VULCANIZING RUBBER SACKS FOR
STOCK-PUMPS.



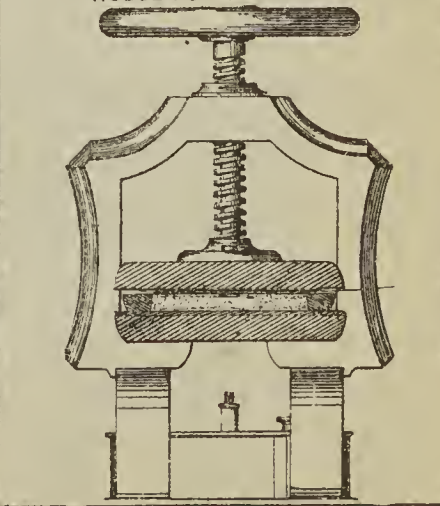
APPARATUS FOR COMPRESSING AIR.
JOHN S. PATRIC, 120,094



120,095 JOHN S. PATRIC,
APPARATUS FOR CONDENSING AIR.



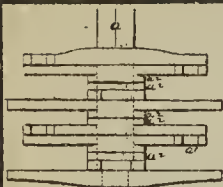
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RUBBER STEREOTYPES.



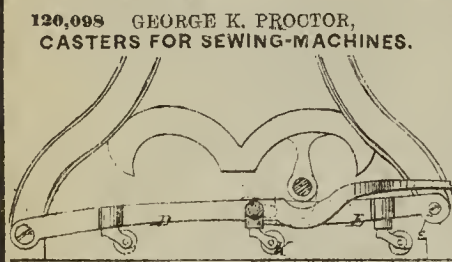
120,097.

ILLUSTRATIONS OF PATENTS

120,119.



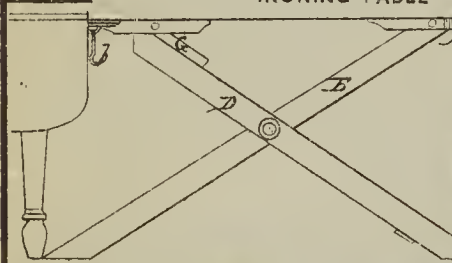
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HENRY S. POTTER.
CHURN-DASHER



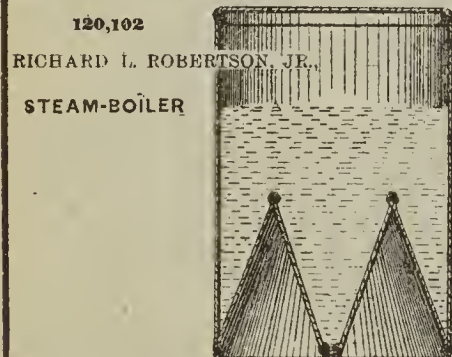
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CASTERS FOR SEWING-MACHINES.



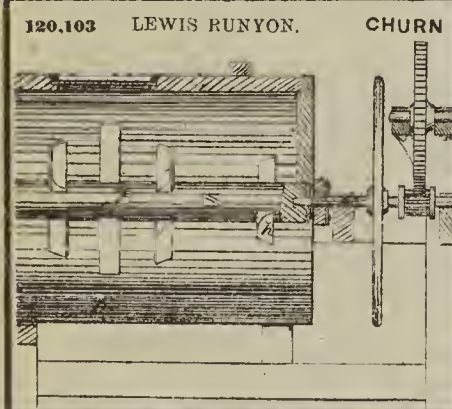
120,100
WILLIAM READING,
COW-MILKERS.



120,101
THOMAS REED.
IRONING-TABLE



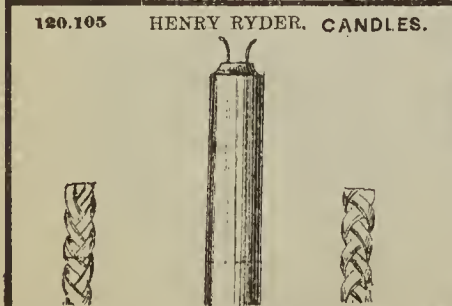
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RICHARD L. ROBERTSON, JR.
STEAM-BOILER



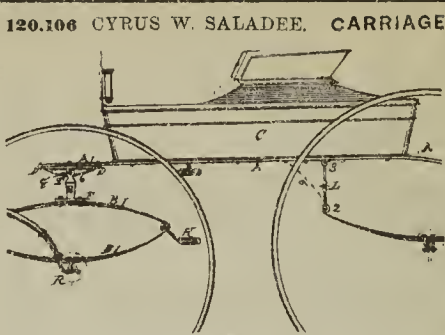
120,103 LEWIS RUNYON. CHURN



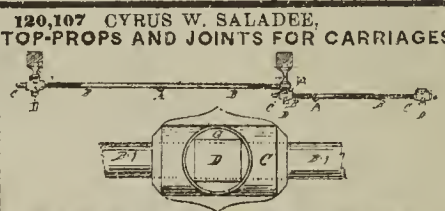
120,104 JOSEPH F. RUSLING, BALE-TIE



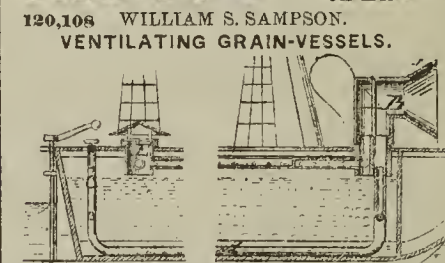
120,105 HENRY RYDER. CANDLES.



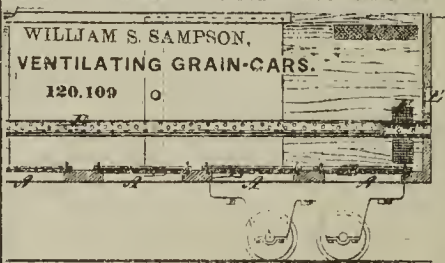
120,106 CYRUS W. SALADEE. CARRIAGE



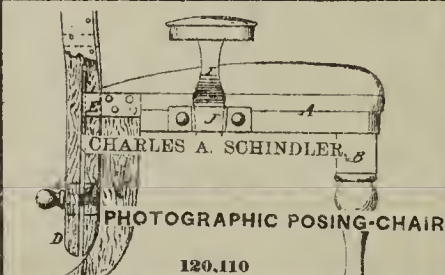
120,107 CYRUS W. SALADEE,
TOP-PROPS AND JOINTS FOR CARRIAGES



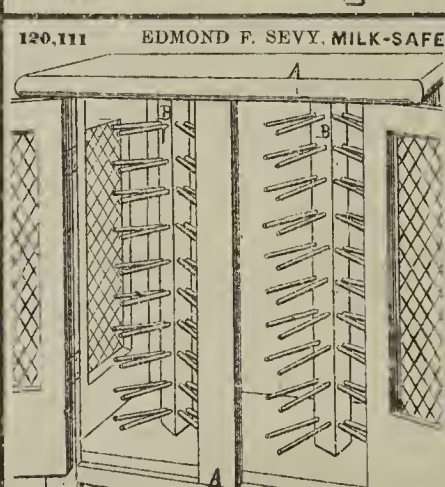
120,108 WILLIAM S. SAMPSON.
VENTILATING GRAIN-VESSLS.



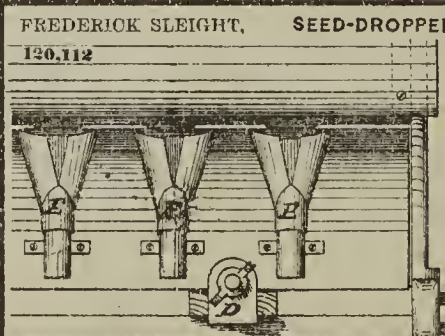
WILLIAM S. SAMPSON,
VENTILATING GRAIN-CARS.
120,109



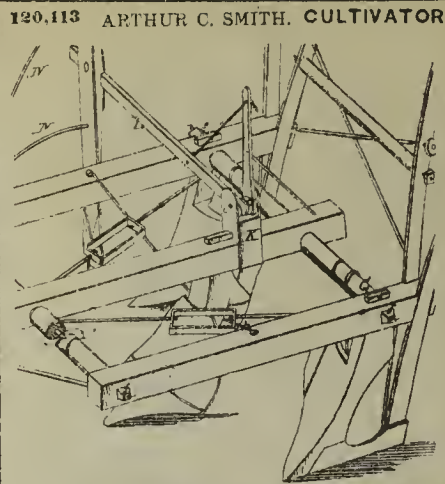
CHARLES A. SCHINDLER.
PHOTOGRAPHIC POSING-CHAIR
120,110



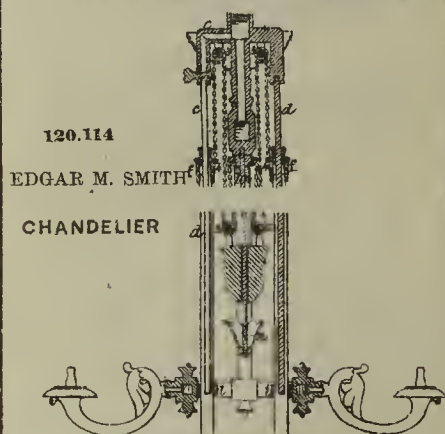
120,111 EDMOND F. SEVY. MILK-SAFE



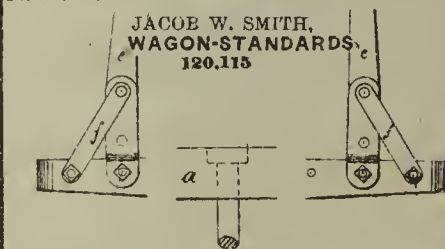
FREDERICK SLEIGHT, SEED-DROPPER
120,112



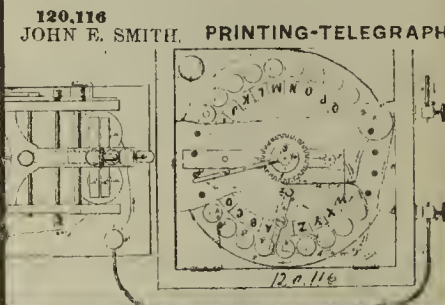
120,113 ARTHUR C. SMITH. CULTIVATOR



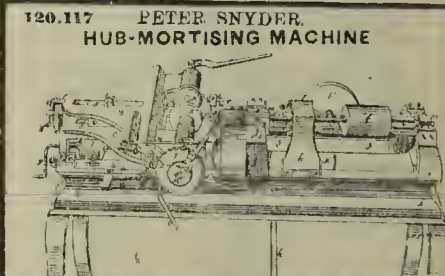
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EDGAR M. SMITH
CHANDELIER



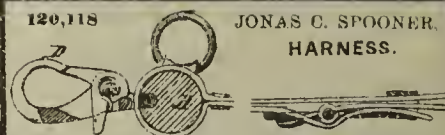
JACOB W. SMITH,
WAGON-STANDARDS.
120,115



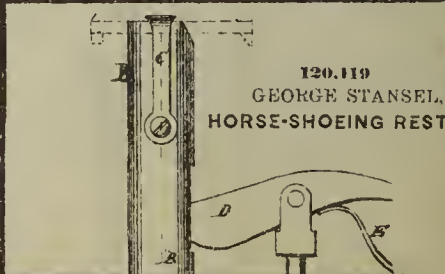
120,116
JOHN E. SMITH. PRINTING-TELEGRAPH



120,117 PETER SNYDER.
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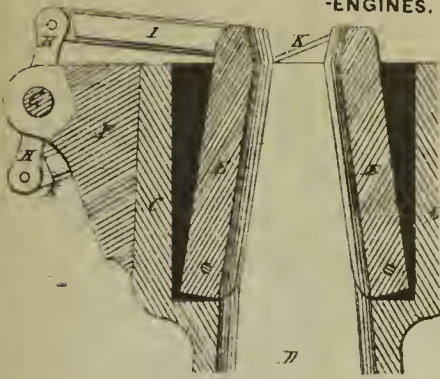


120,118 JONAS C. SPOONER.
HARNESS.

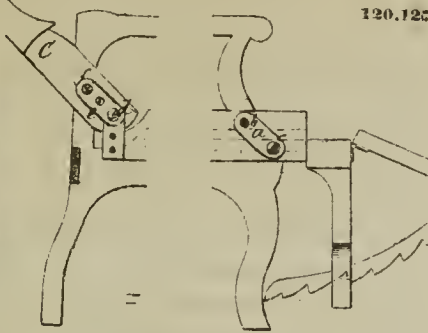


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GEORGE STANSEL,
HORSE-SHOEING REST

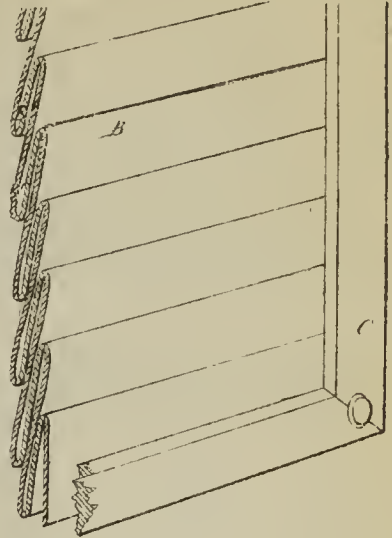
120,120 ORLANDO STEWART.
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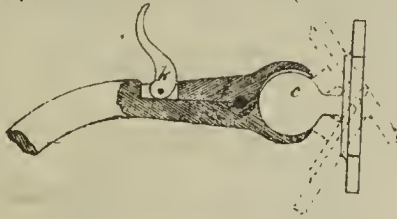
HOPKINS THOMPSON. RECLINING-CHAIR
120,125



120,131 CORNELIUS A. WALL. CARD-RACK

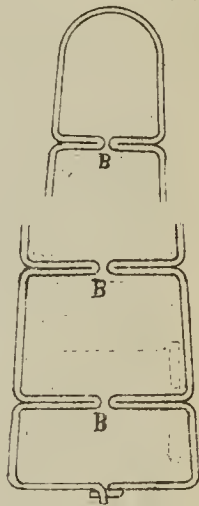


THOMAS D. THOMPSON. HEAD-REST
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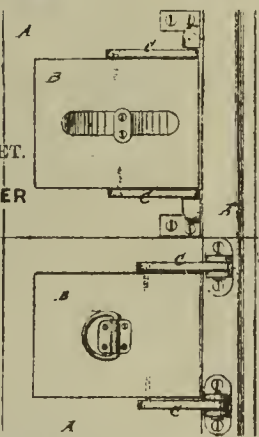


ANDREW W. WARREN, SPOOL-HOLDER

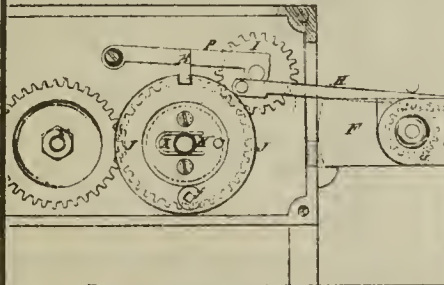
120,135



120,121
WILLIAM STREET.
PRIVY-SEAT COVER



120,129 DANIEL L. TOWER.
PERMUTATION LOCK



JOSEPH H. SUBERS AND JAMES H. TROUP.

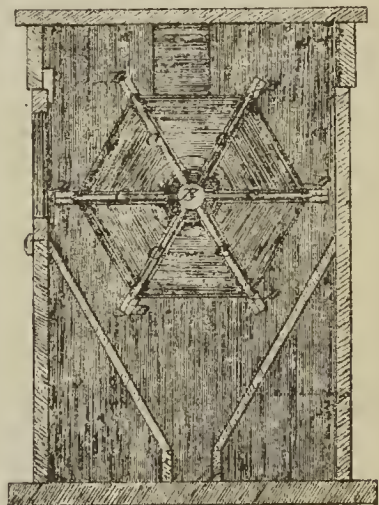
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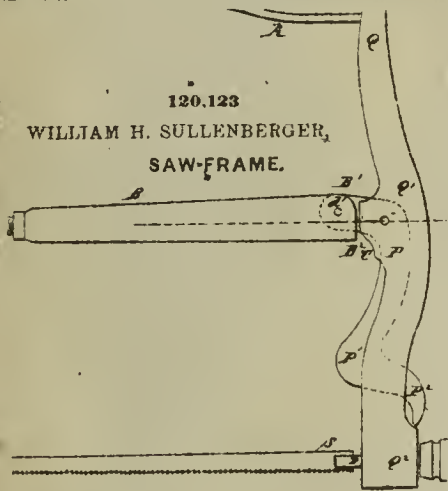
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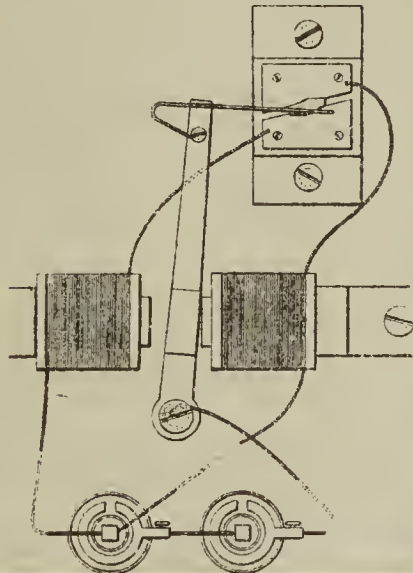
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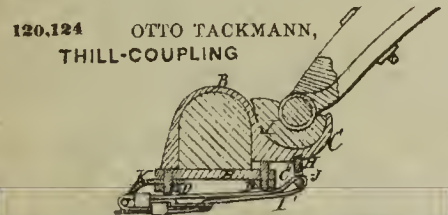
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SAW-FRAME.



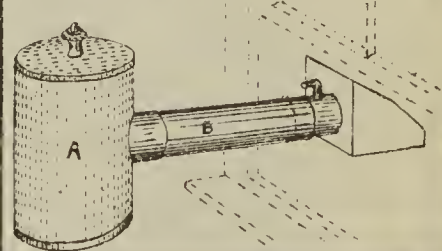
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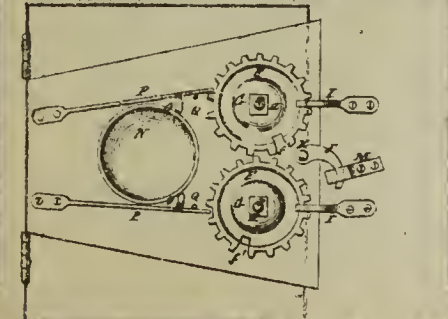
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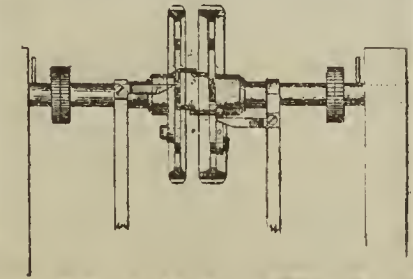
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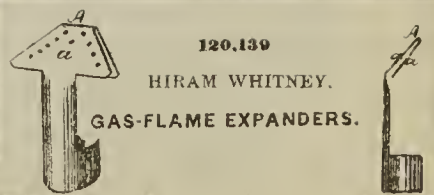
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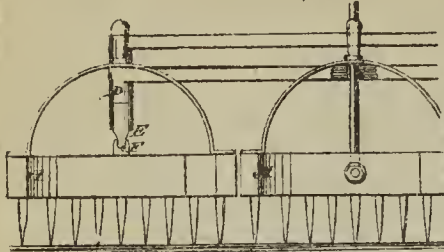
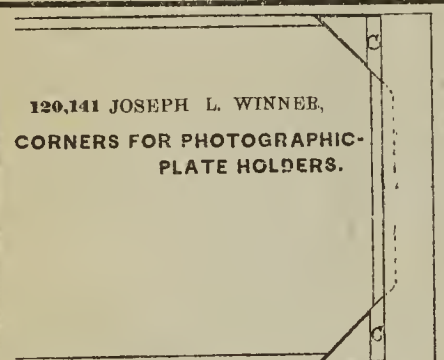
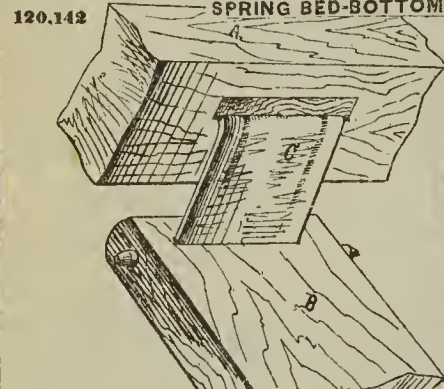
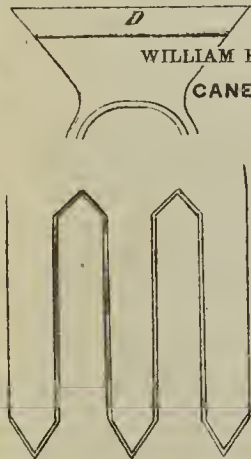
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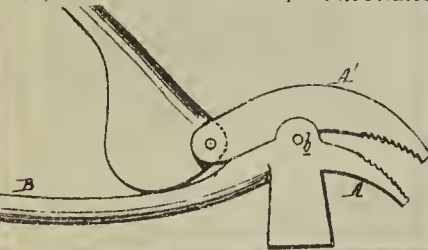
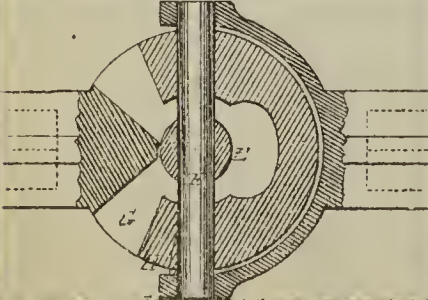
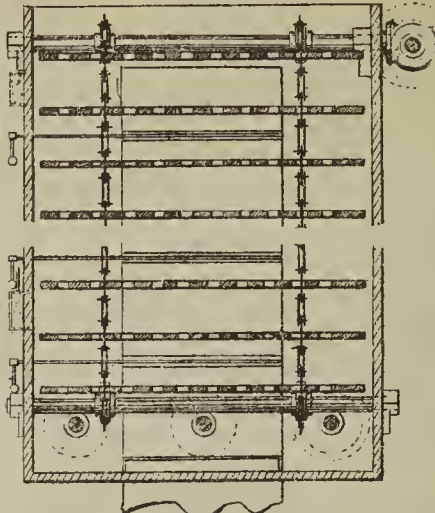
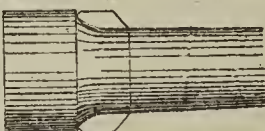
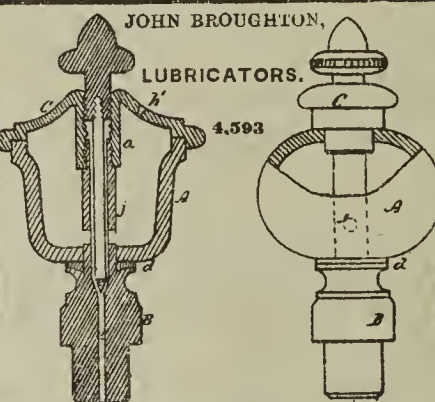
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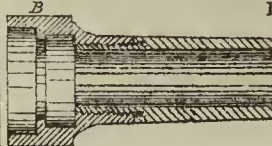
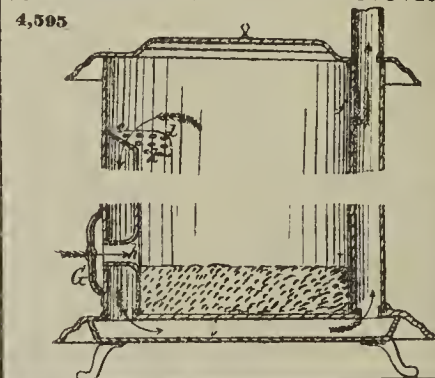
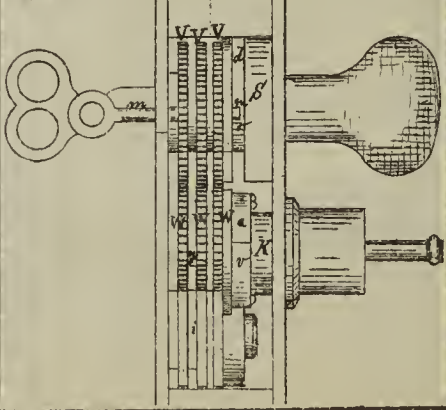
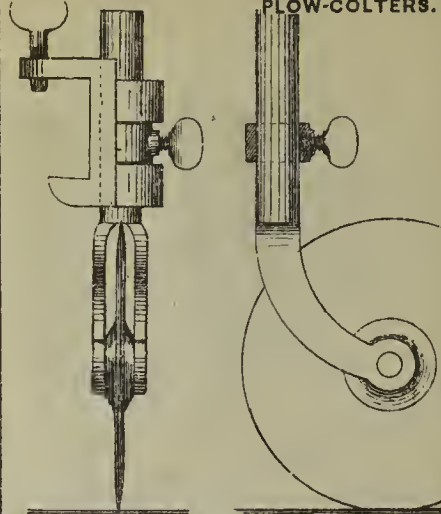
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120,141 JOSEPH L. WINNER,
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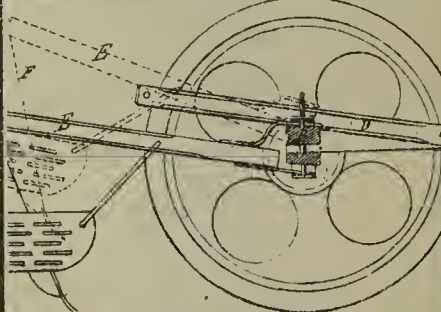
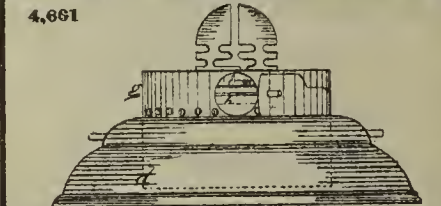
120,144 DANIEL ZEULER, PINCHERS.

120,145 GUSTAVUS H. ZSCHECH,
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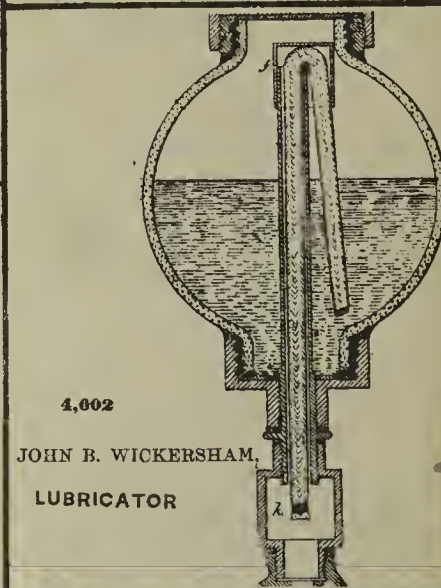
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4,595LYMAN F. MUNGER, PERMUTATION LOCK
4,5964,597 WILLIAM WARREN STILLMAN,
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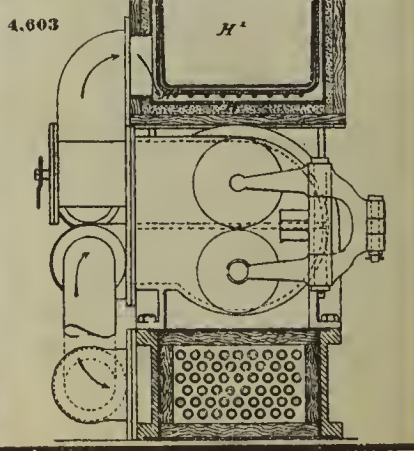
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WILLIAM WESTLAKE,
4,601 LANTERNS.

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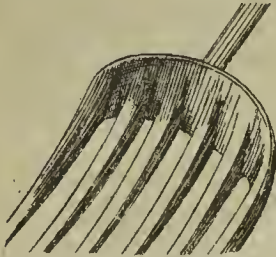
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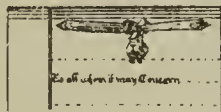


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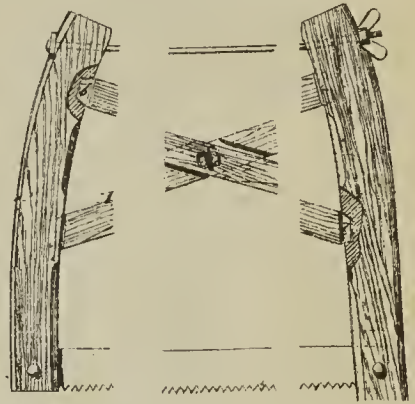
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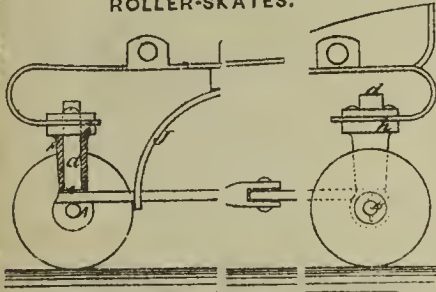
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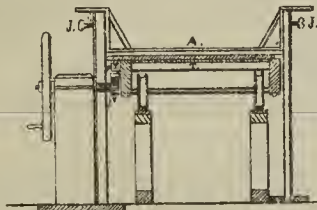
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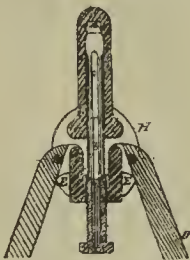
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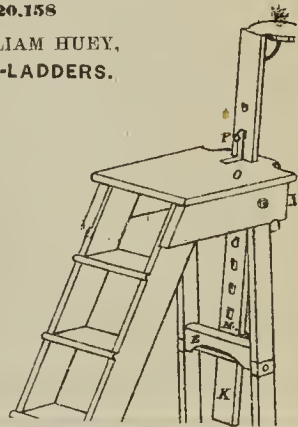
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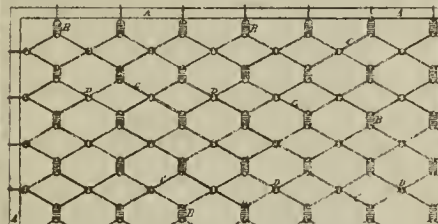
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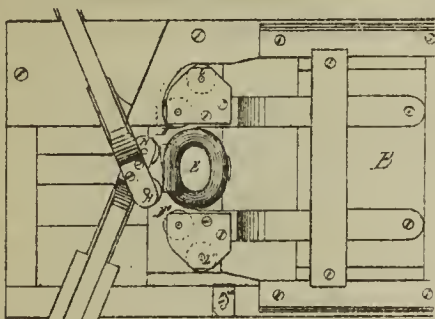
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STEP-LADDERS.



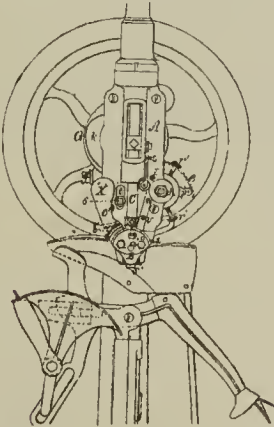
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120,154 SPRING MATTRESSES.



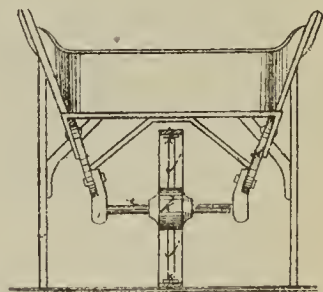
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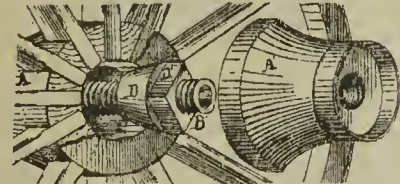
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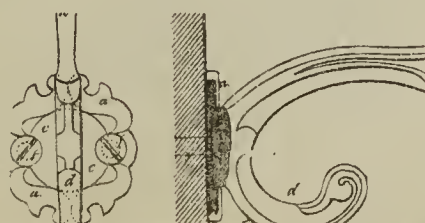
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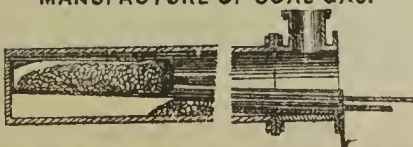
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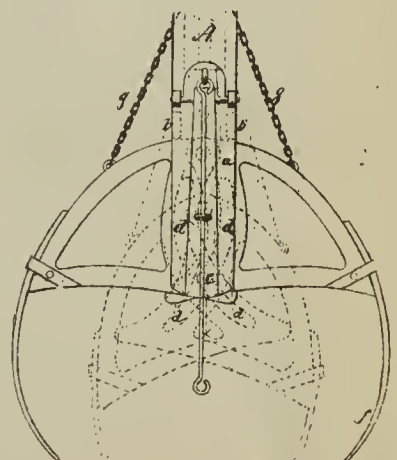
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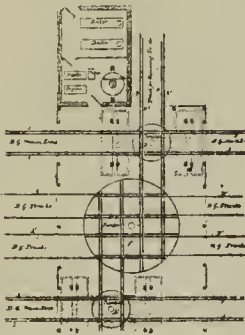
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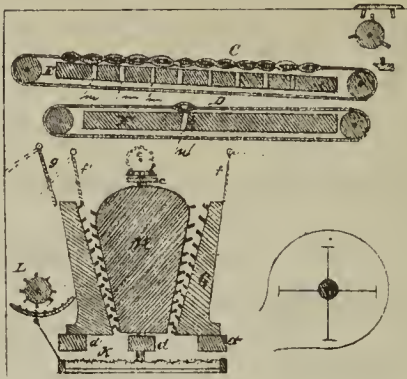
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HORSE HAY-FORKS.



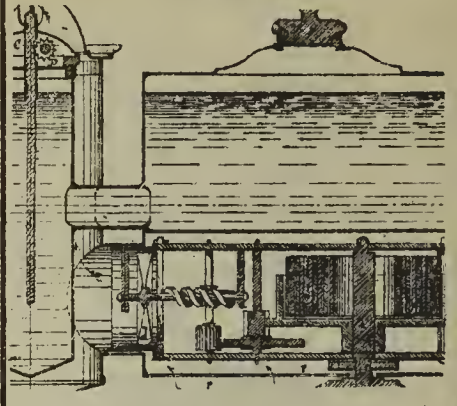
120.161 WILLIAM KERR MUIR.
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120.167 HENRY RIES.
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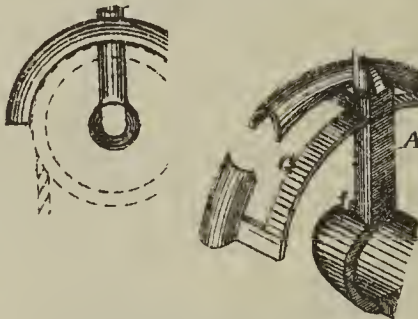
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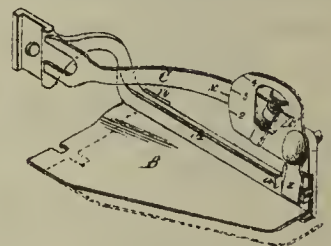
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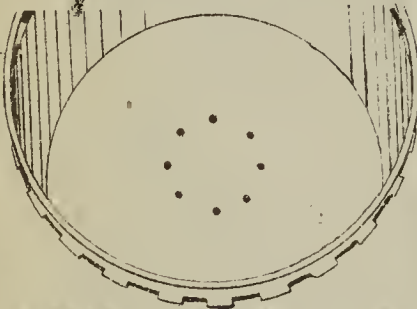
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120.173 EDWIN J. TOOF.
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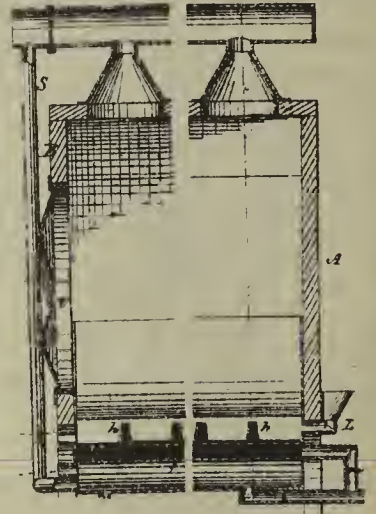


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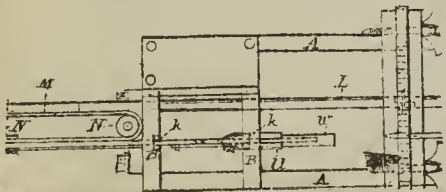


JOHN WELFARE AND FRED CHAMPAGNE

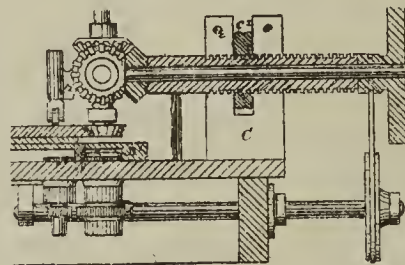
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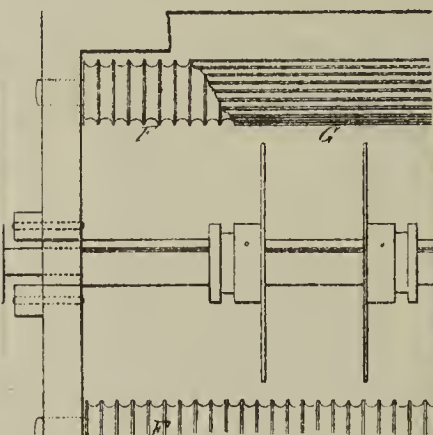
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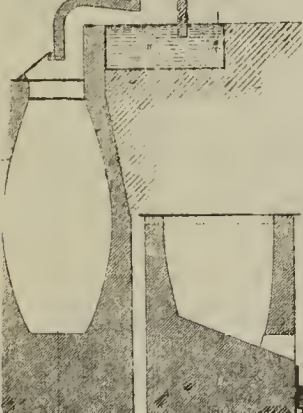
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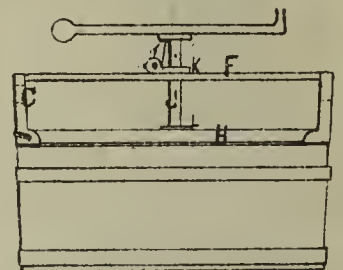
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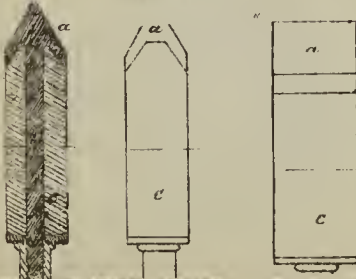
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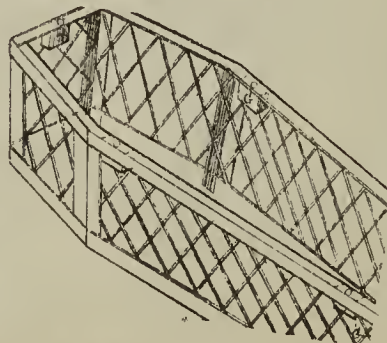
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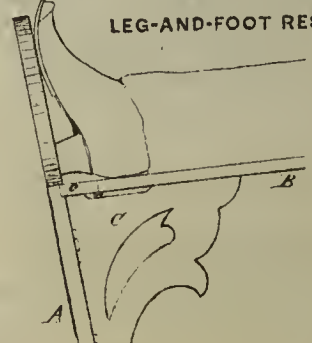
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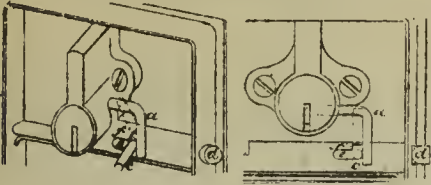
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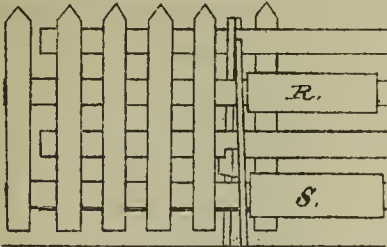
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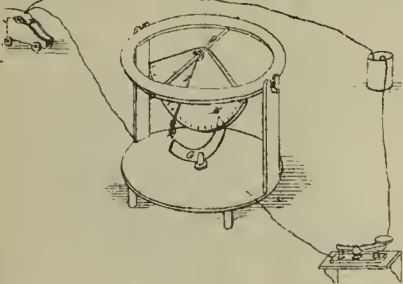
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SILAS N. BROOKS.
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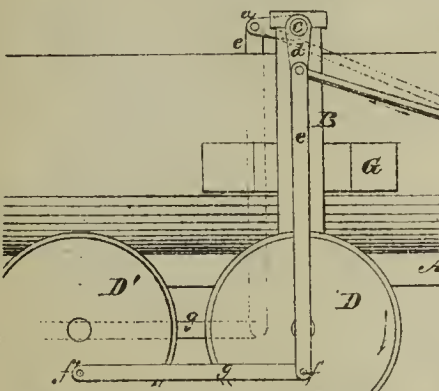
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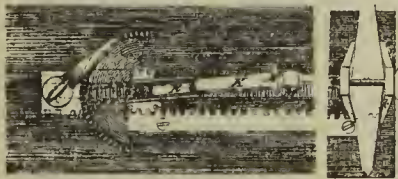
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120.180 WILLIAM D. ARNETT,
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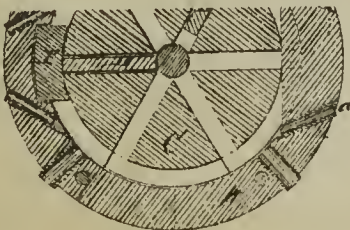
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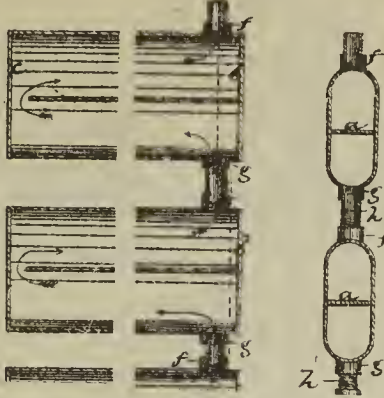
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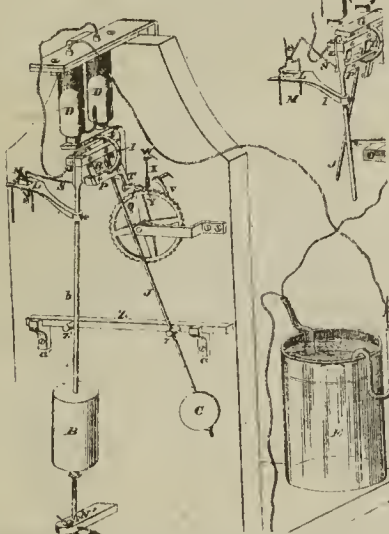
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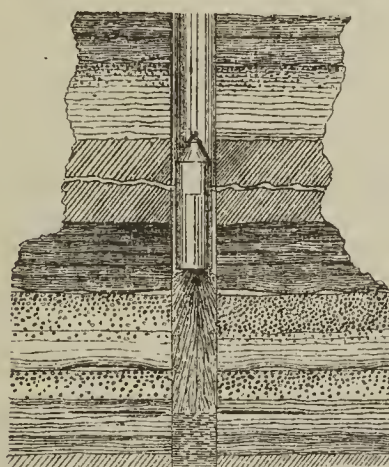
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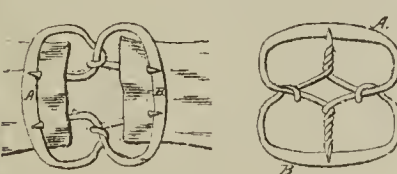
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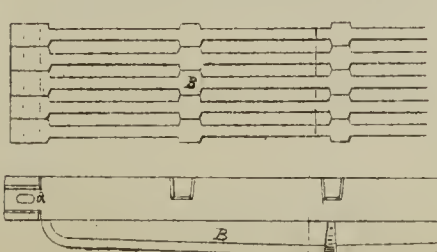
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REMOVING OBSTRUCTIONS IN OIL-WELLS



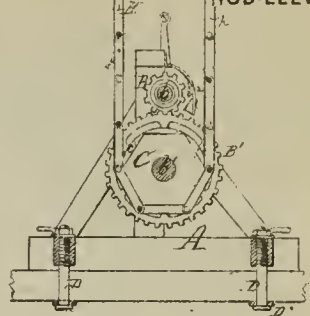
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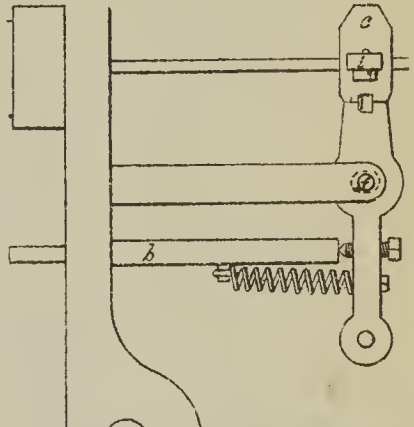
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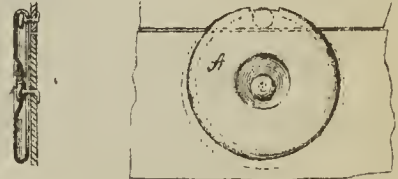
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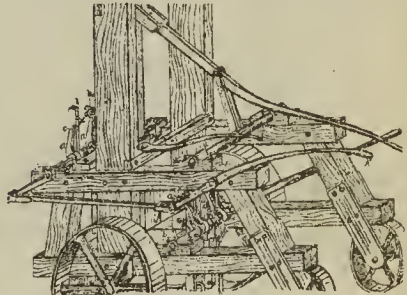
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NAIL-PLATE-FEEDING MACHINES.



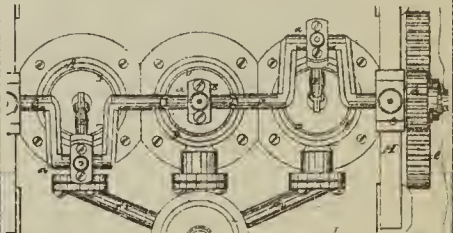
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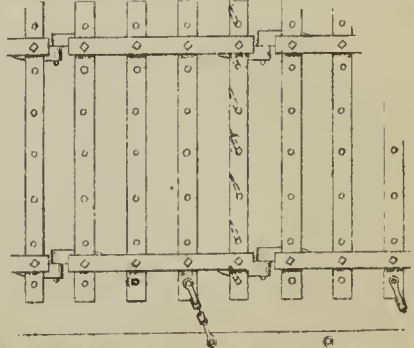
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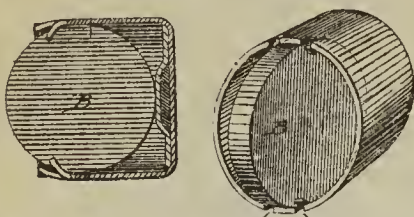
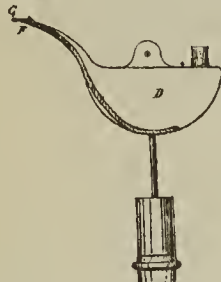
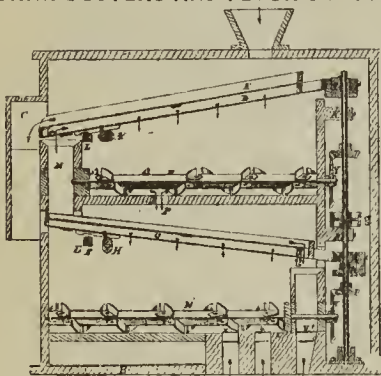
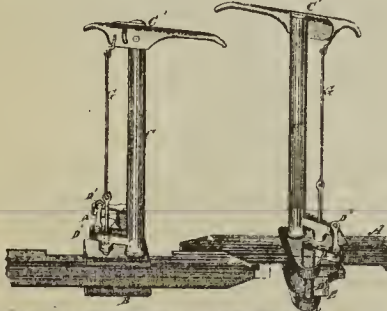
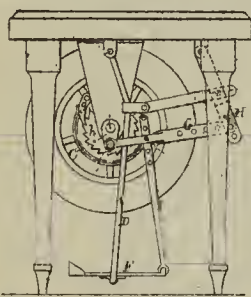
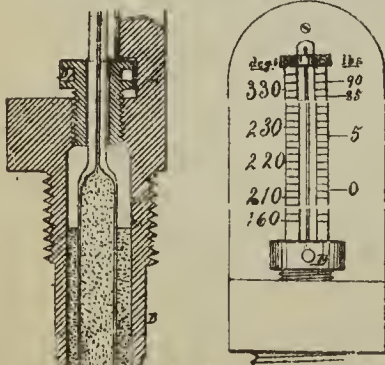
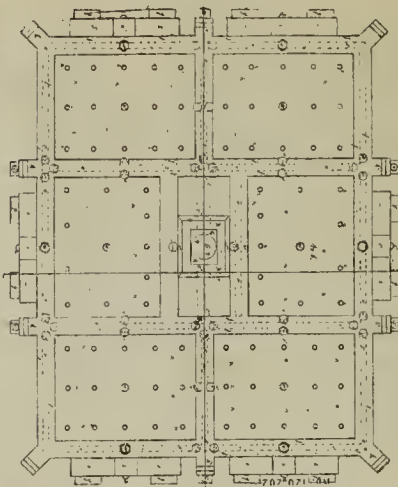
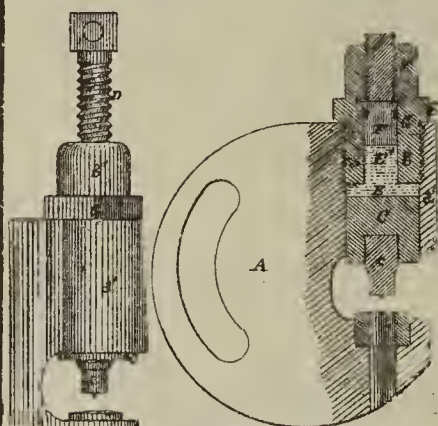
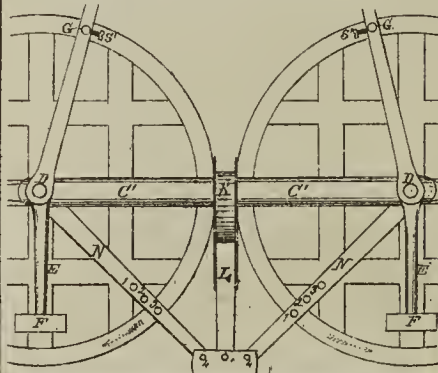
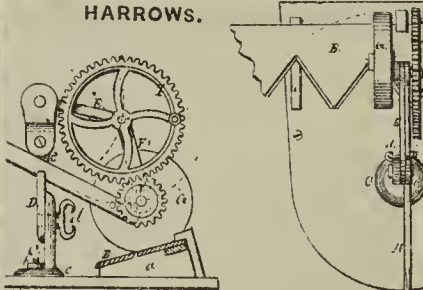
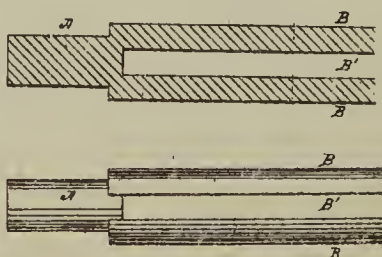
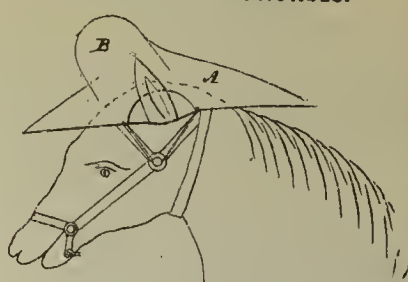
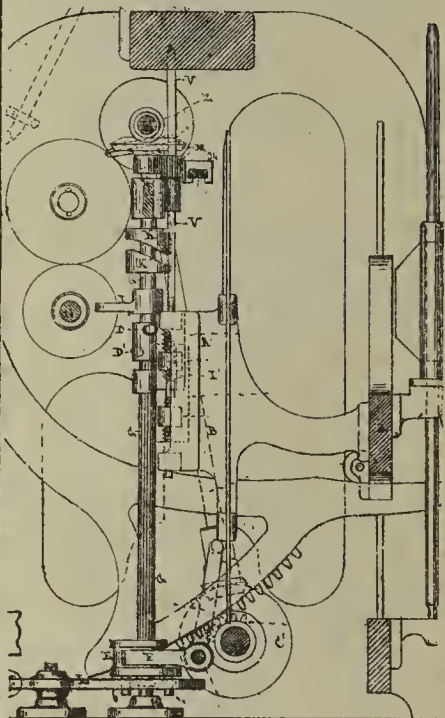
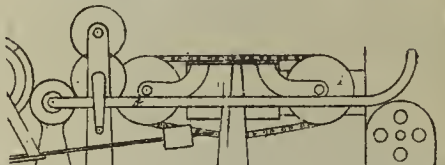
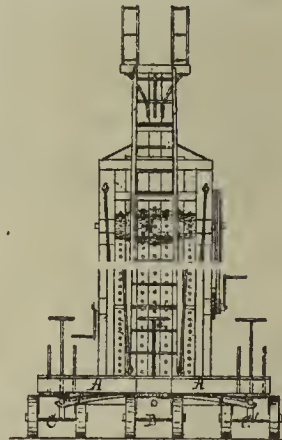
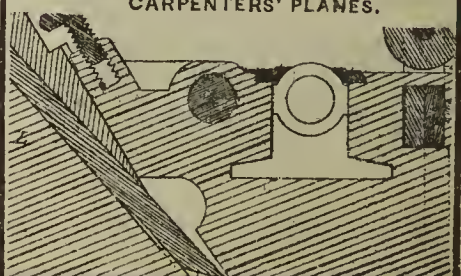


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ALARM-PUMPS FOR VESSELS.

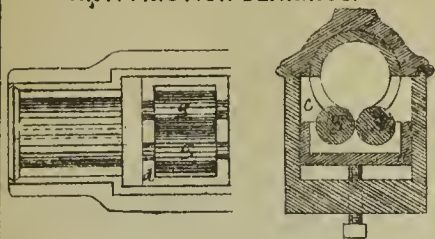


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HARROWS.

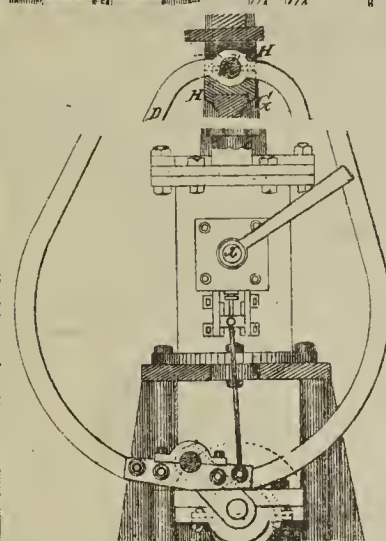
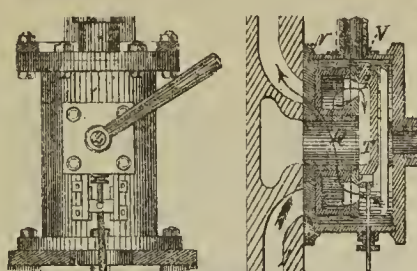


120,196 HOBBS AND ORCUTT,
PRIMERS FOR CARTRIDGES.120,197 THOMAS W. HOUGHIN,
VERMIN EXTERMINATORS.120,198 JAMES H. JONES,
BRAN-DUSTERS AND FLOUR-BOLTS.120,199 JAMES H. KENWORTHY,
CAR-COUPINGS.120,200 KEYES, BRADFORD,
TREADLE-MOTIONS.120,201 GEORGE LIGHTBODY,
THERMOMETRIC STEAM-GAUGES.120,202 THALES LINDSLEY,
BRICK-KILNS.120,203 ROBERT LIVINGSTON,
HYDRAULIC PUNCHING-MACHINES.120,204 EDWIN ROBERT McCALL
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120,209 ROVING-FRAMES.120,210 ADOLPH MÜLLER,
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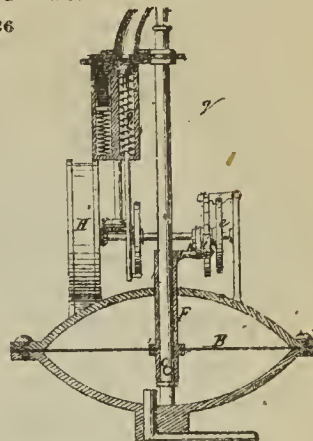
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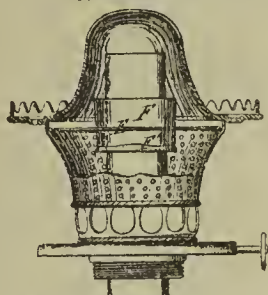
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120,222 STEAM-ENGINES.



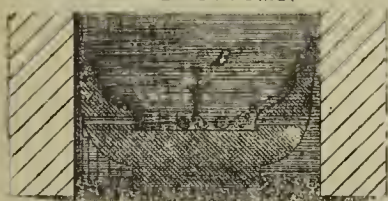
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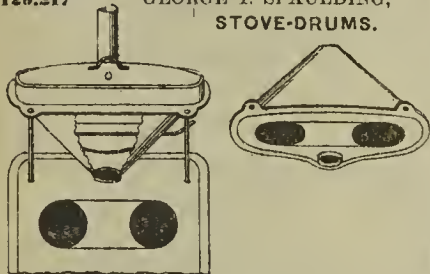
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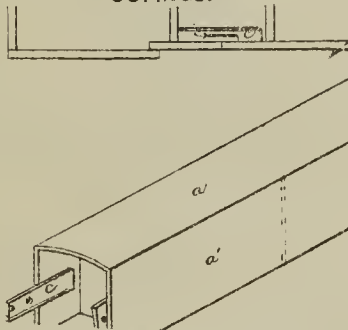
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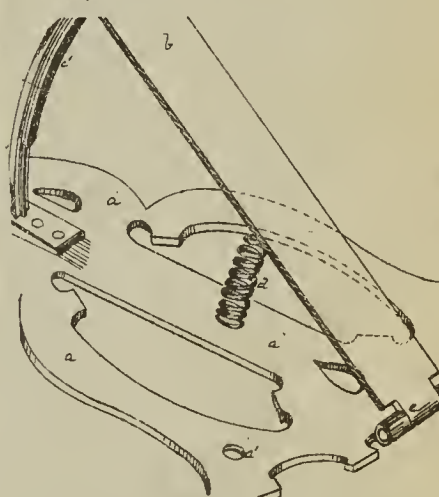
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STOVE-DRUMS.



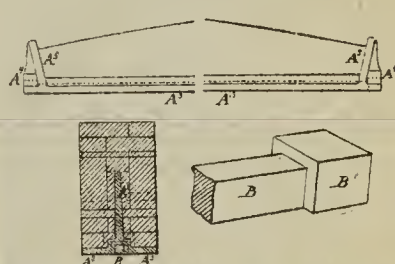
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COPINGS.



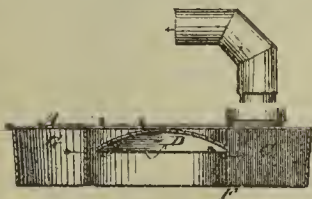
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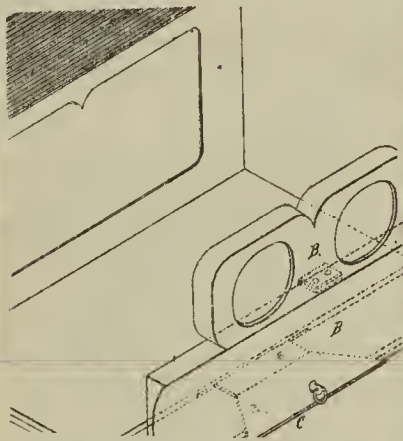
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GIRDERS.



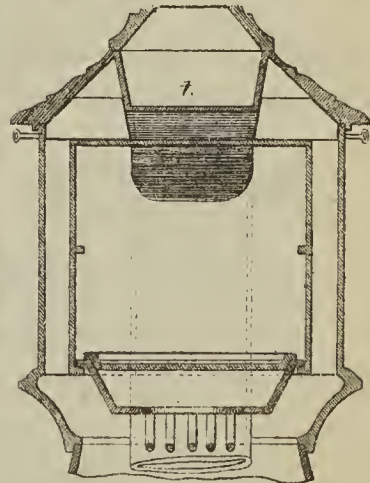
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FOUNTAINS FOR WASH-BOILERS.



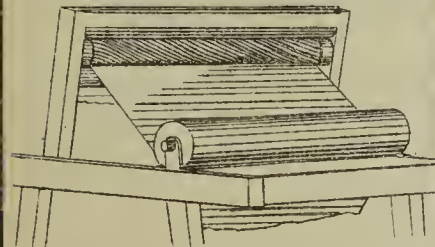
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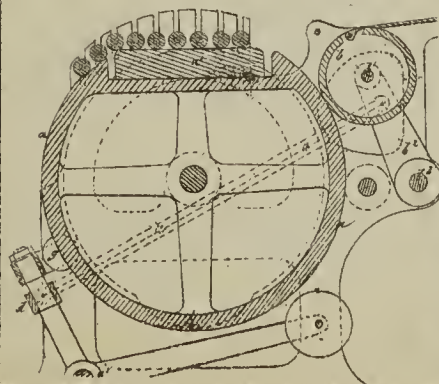
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BASE-BURNING STOVES.



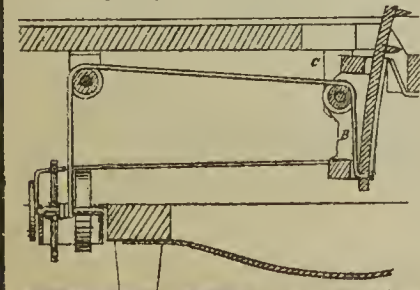
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CLOTH-SHEARING MACHINES.



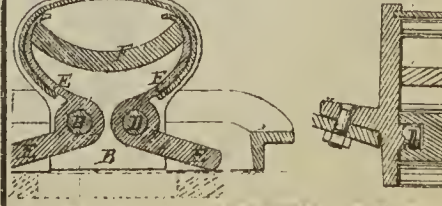
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PRINTING-PRESSES.



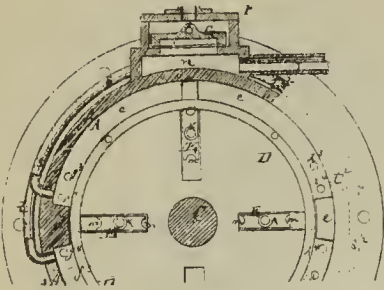
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LOG-ROLLING MACHINES.



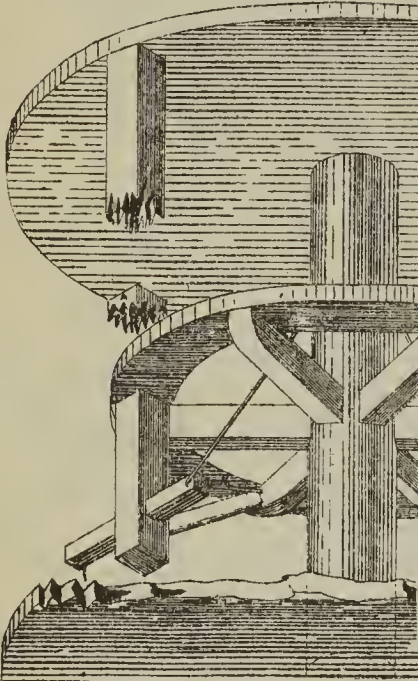
120,250 JOSEPH C. BARLOW,
SEED-DROPPERS.



120,231 JOHN W. BARRIGER.
ROTARY ENGINES.



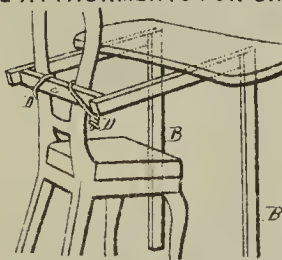
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HORSE-POWERS.



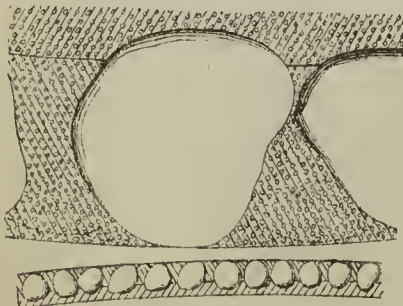
120,233 EMILIE A. BEARDSLEY.
HEATER AND STAND FOR TABLE
PURPOSES.



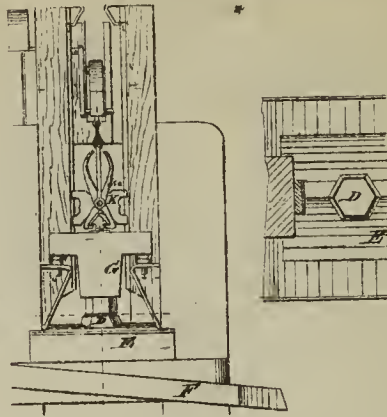
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TABLE ATTACHMENTS FOR CHAIRS.



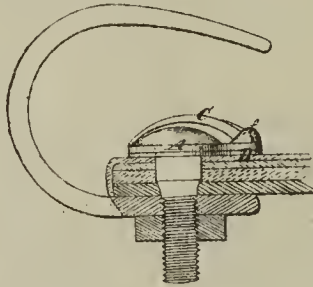
120,236 SAMUEL B. BRITTAN,
CONCRETE AND STONE PAVEMENTS.



120,237 SAMUEL WALLACE BROOKS.
MAKING PAVING-BLOCKS.



120,238 BERN L. BUDD,
CHECK-REIN FASTENERS.



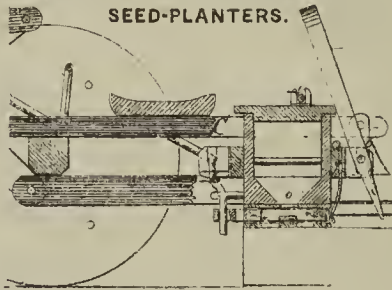
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CHECK-REIN FASTENERS.



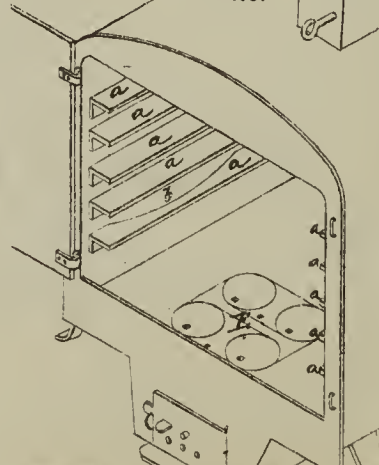
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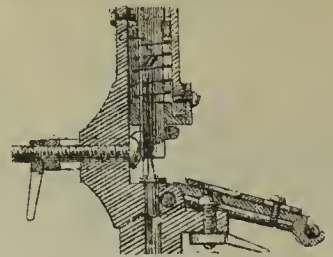
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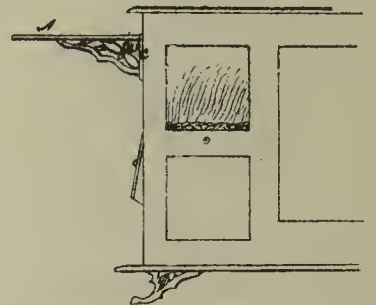
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DRIERS.



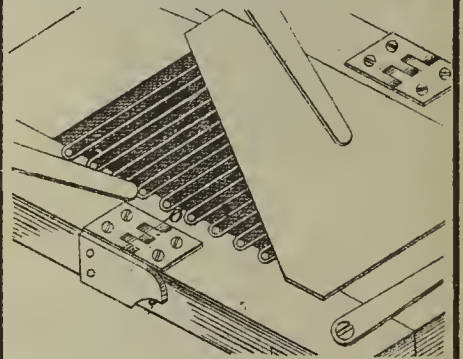
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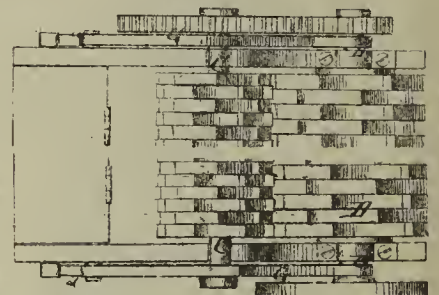
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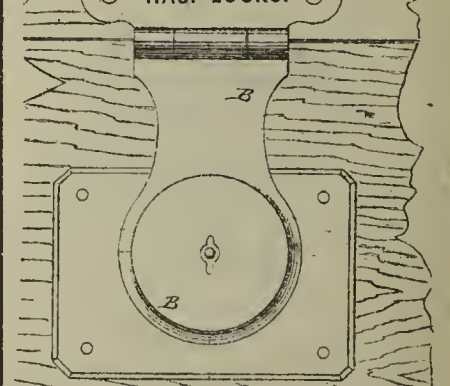
120,245 JOHN GEORGE COFFIN.
PHOTOGRAPHIC PRINTING-FRAMES.



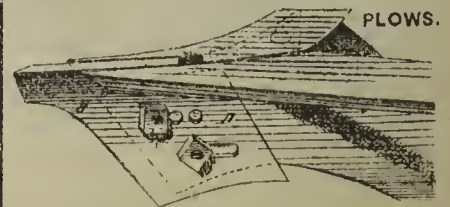
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BARK-MILLS.



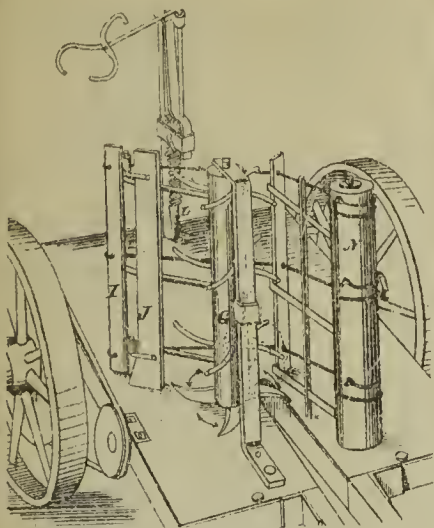
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HASP-LOCKS.



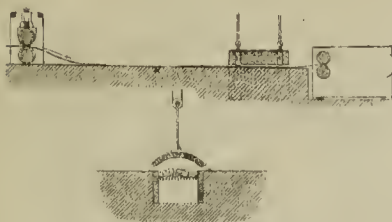
120,248 THOMAS CUMING, JR.
PLOWS.



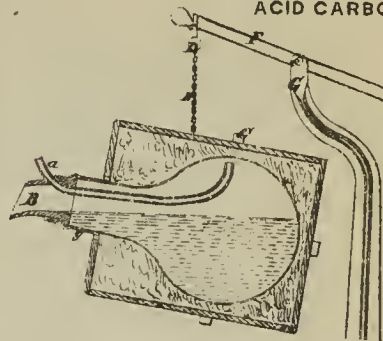
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ELIJAH CULP.
CORN-HARVESTERS AND SHOCKERS.

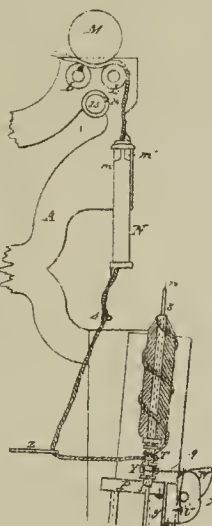
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DAVID EYNON
FURNACES FOR THE MANUFACTURE OF SPIKES.

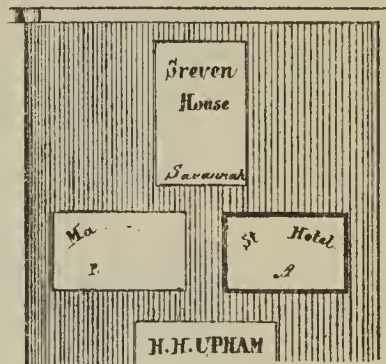
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WILLIAM GEE.
APPARATUS FOR DISCHARGING
ACID CARBOYS.

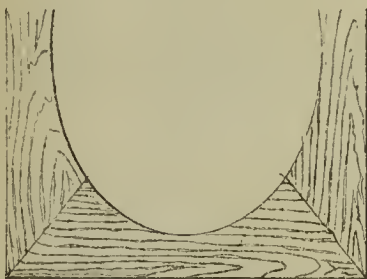
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LUTHER W. FELT,
MACHINES FOR SPINNING WOOL.

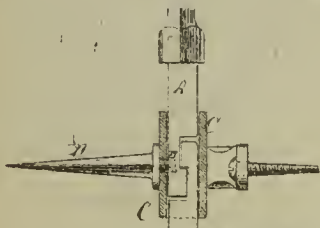
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GEORGE W. HAWES,
ADVERTISING-ALBUMS.

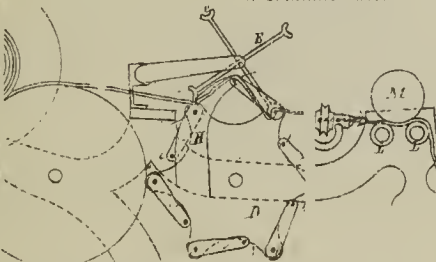
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HARRISON W. CURTIS,
WOODEN MATS FOR PICTURE-FRAMES.

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DAVID W. DEMOREST.
LIGHTNING-ROD COUPLINGS.

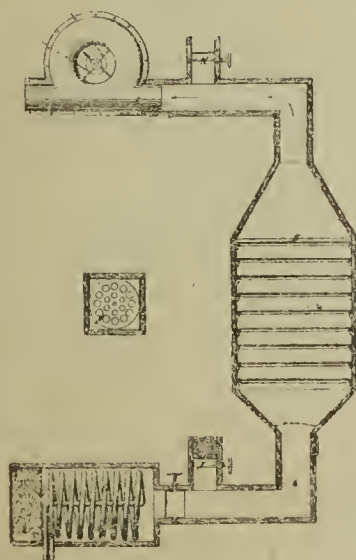
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LUTHER W. FELT,
MECHANISMS FOR DELIVERING ROVING
IN SPINNING-MACHINES.

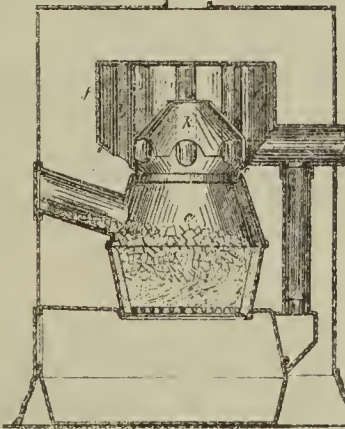
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INDIA-RUBBER SHOES.

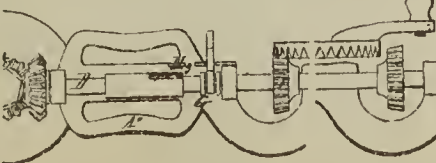
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HERMANN ENDEMANN.
DRYING FRUITS, MEATS,

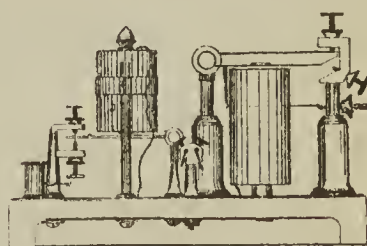
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REUBEN E. FINCH,
HOT-AIR FURNACES.

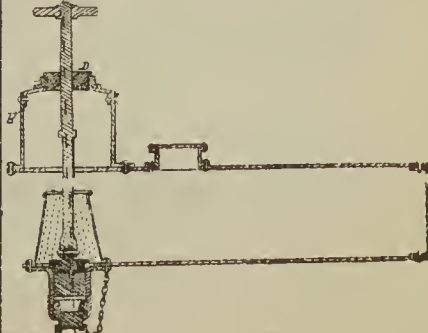
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HENRY C. FISK,
-GRINDERS FOR HARVESTER-CUTTERS.

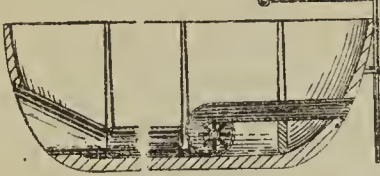
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WEBSTER GILLET,
TELEGRAPH APPARATUS.

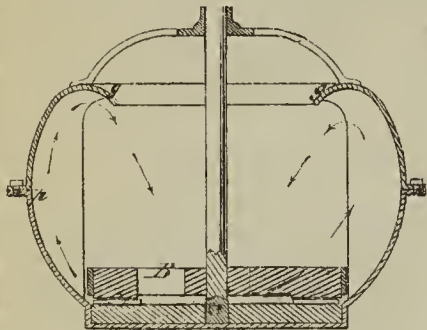
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GEORGE W. GLASS,
OIL-TANKS.

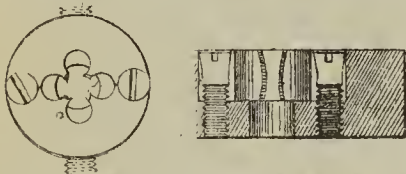
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PROPULSION OF VESSELS.



120,265 SIMEON L. GOULD,
PAPER-PULP ENGINES.

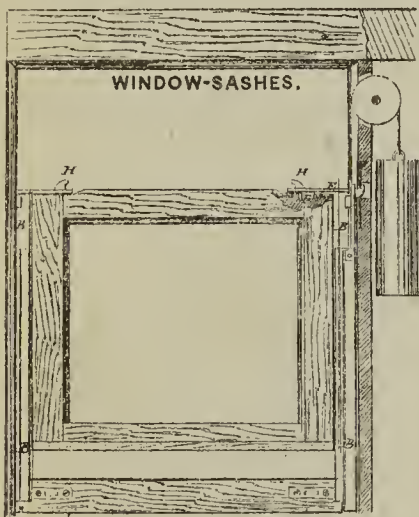


120,266 JOHN J. GRANT,
DIES FOR CUTTING SCREW-THREADS.



120,267 JOHN GROVES,

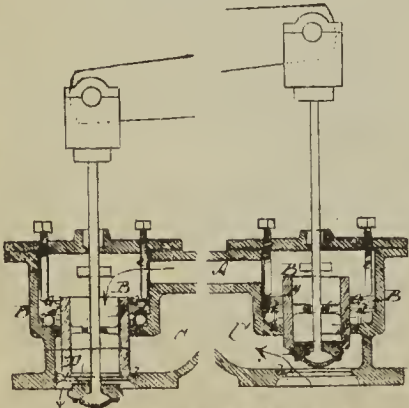
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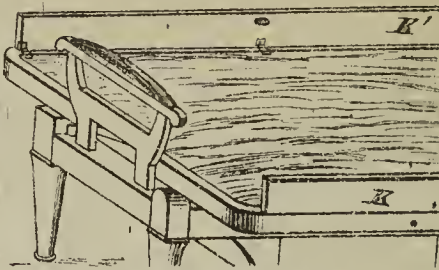
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120,268 PAVEMENTS.



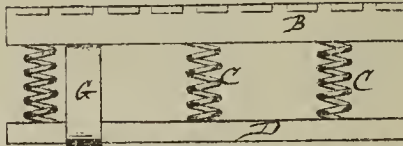
120,269 ANDREW M. HALEY,
VALVES FOR STEAMBOAT ENGINES.



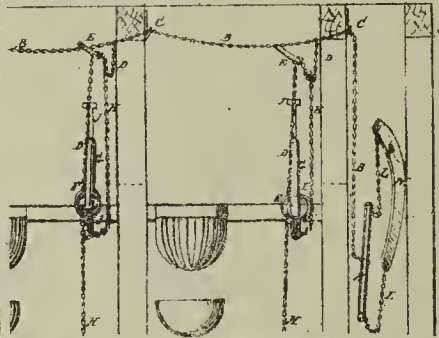
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COMBINED LOUNGE AND BEDSTEAD.



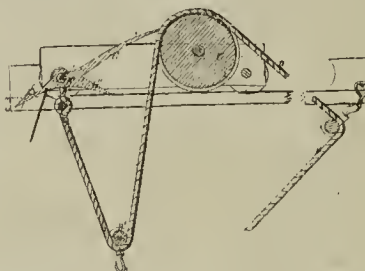
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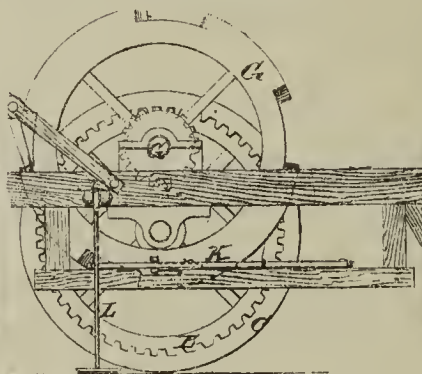
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APPARATUS FOR RELEASING HORSES.



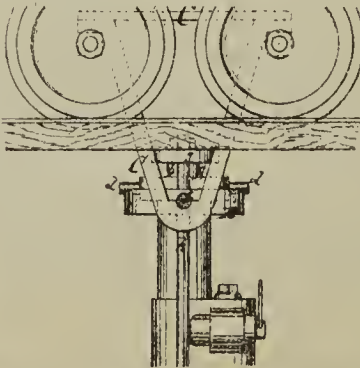
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HAY-ELEVATORS.



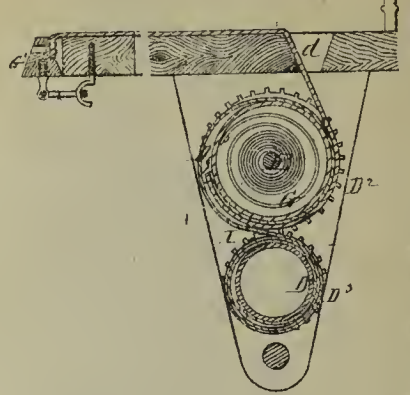
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CULTIVATORS.



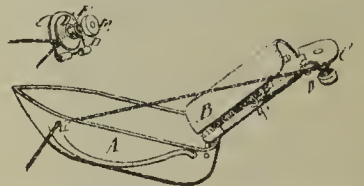
120,275 HECTOR C. HAVEMEYER,
SUSPENDED LIFTING-JACKS.



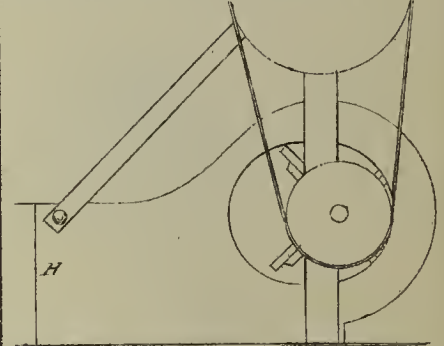
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WATER-CLOSET SEATS.



120,277 JAMES C. HERVEY,
SHUTTLES FOR SEWING-MACHINES.

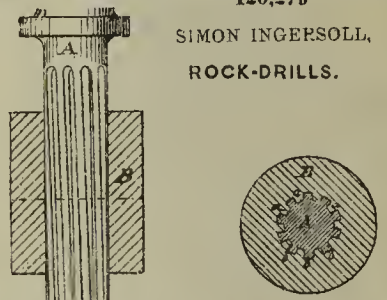


120,278 WILLIAM HOLLENBAUGH,
BLAST-ATTACHMENTS FOR LIME-KILNS.

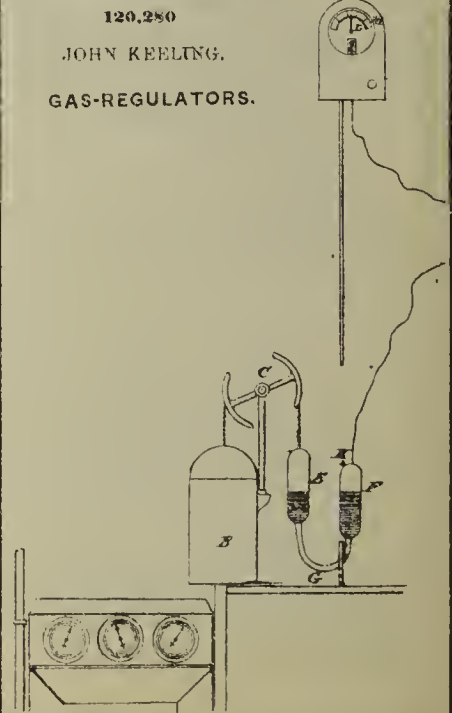


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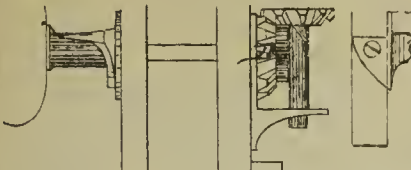
SIMON INGERSOLL,
ROCK-DRILLS.



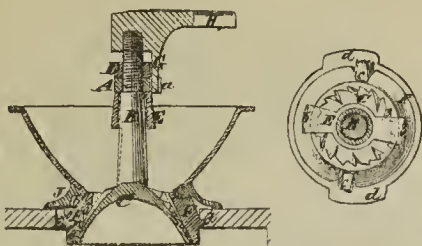
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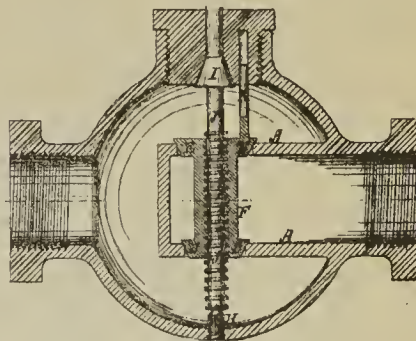
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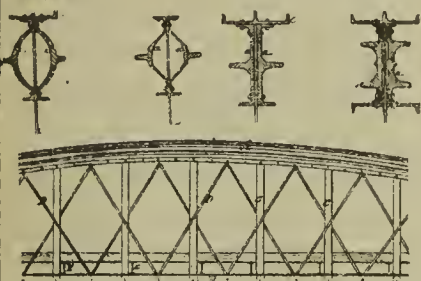
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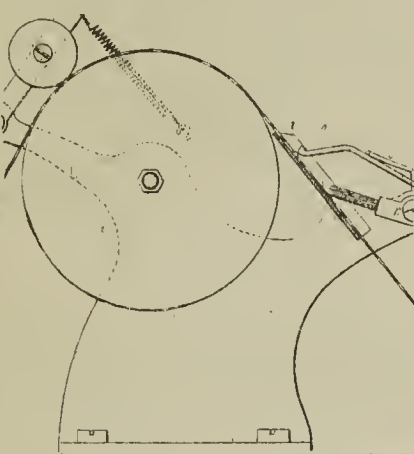
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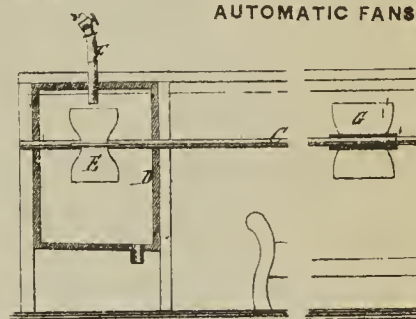
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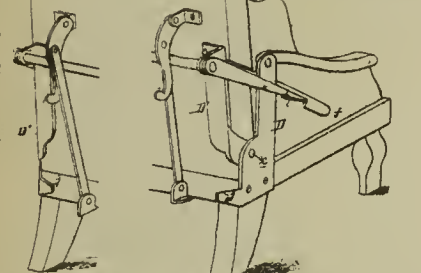
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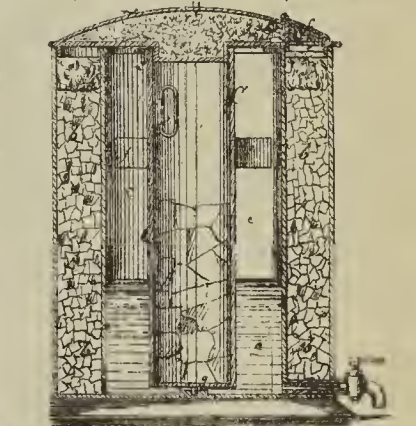
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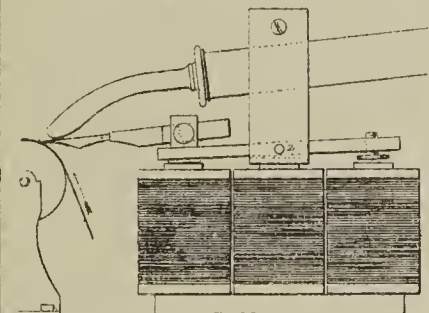
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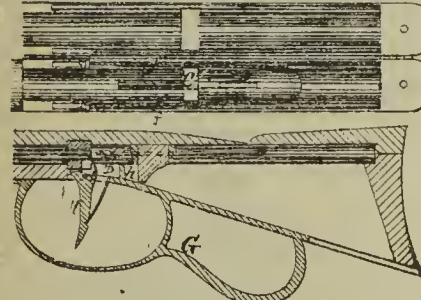
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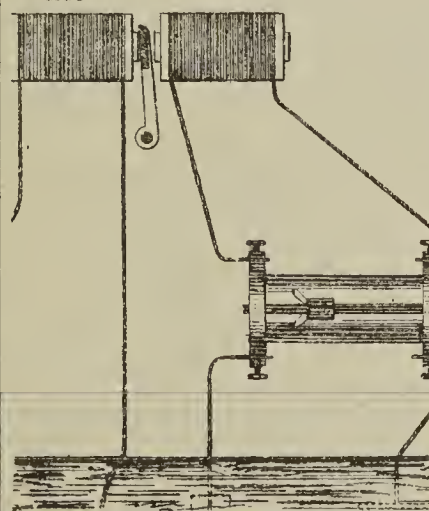
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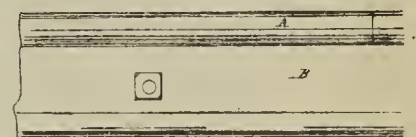
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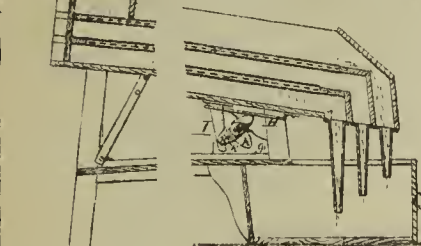
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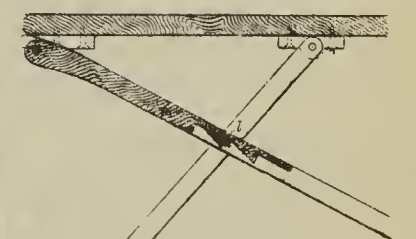
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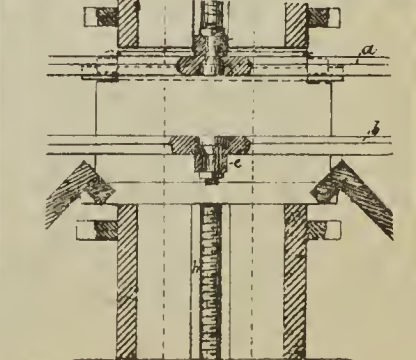
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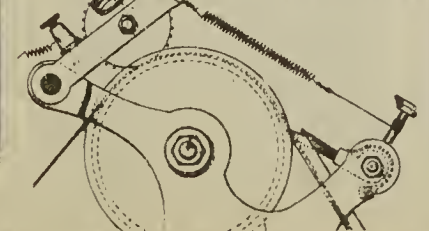
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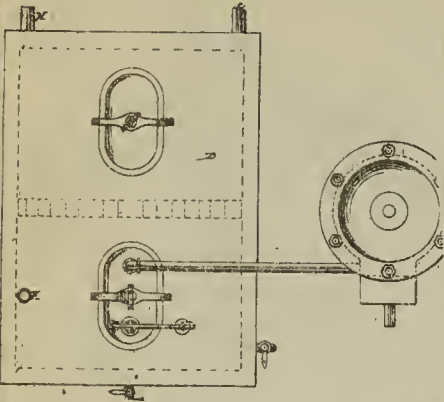
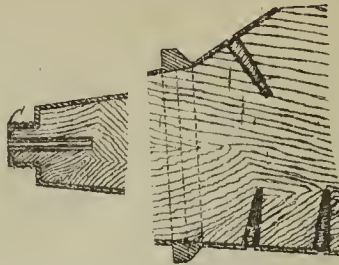
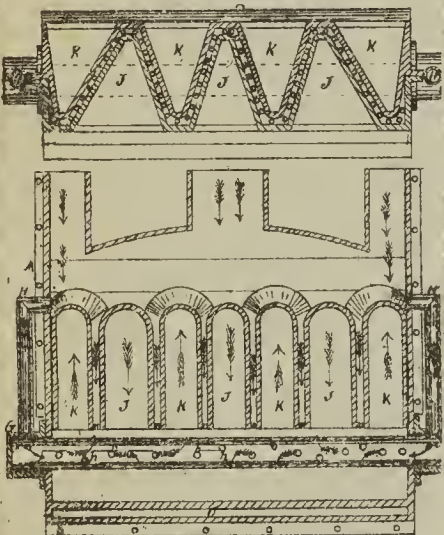
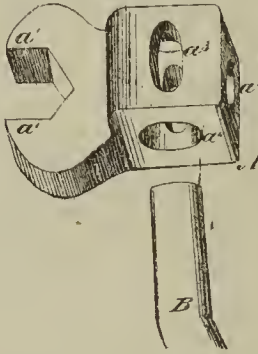
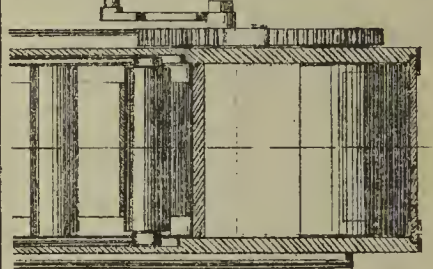
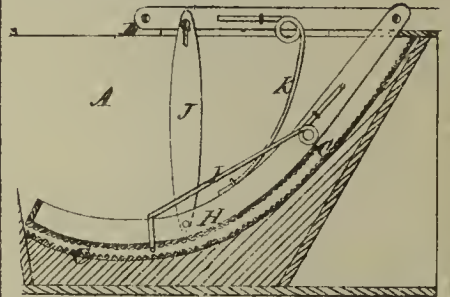
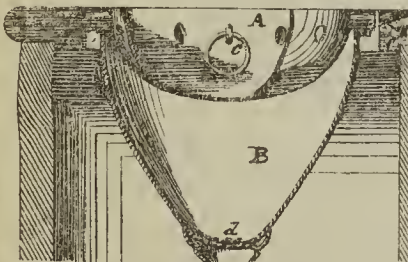
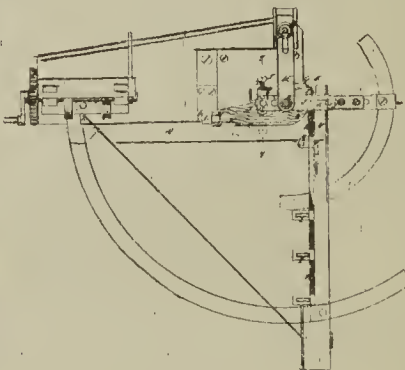
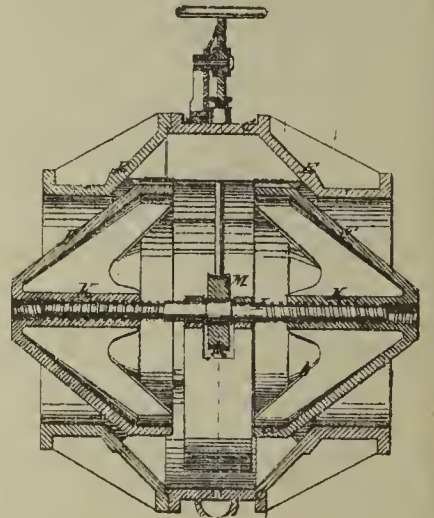
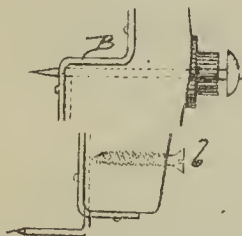
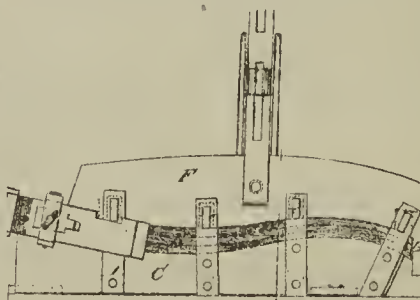
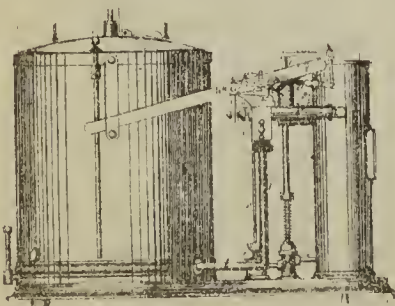
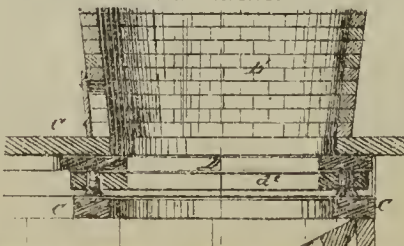
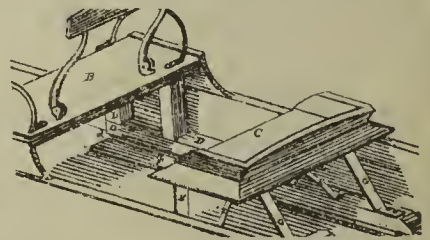


120,297 THOMAS E. MARABLE,
BALING-PRESSES.



120,291 GEORGE LITTLE,
AUTOMATIC CIRCUIT-CLOSERS FOR
TELEGRAPH APPARATUS.



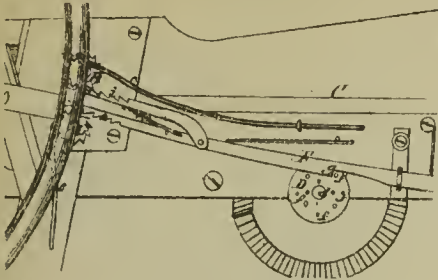
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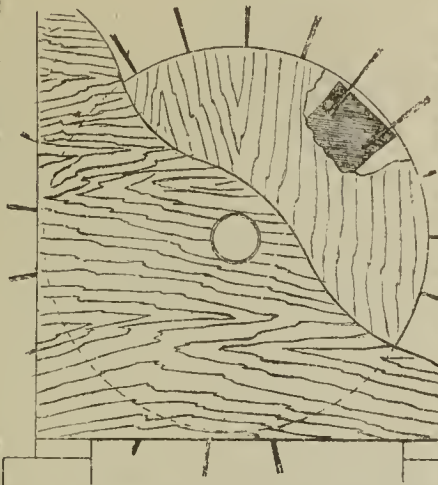
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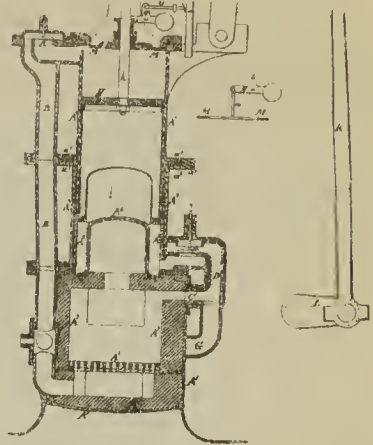
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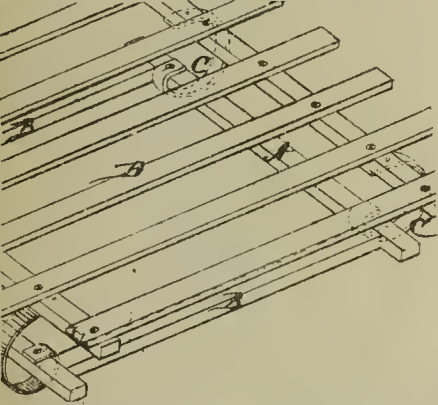
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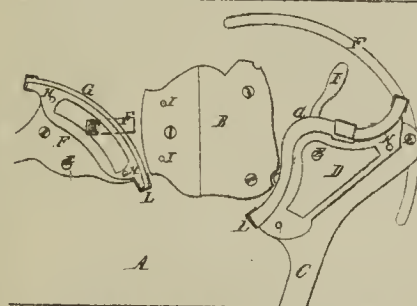
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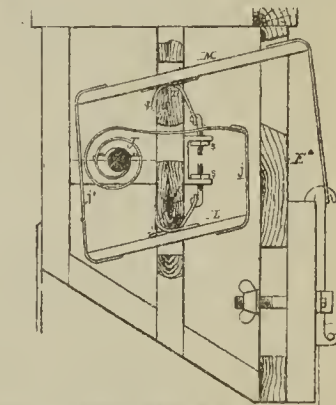
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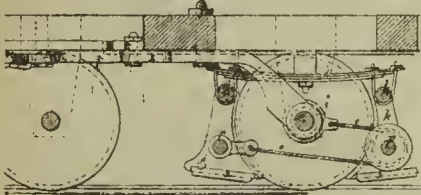
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JOHN PHILLIPS,
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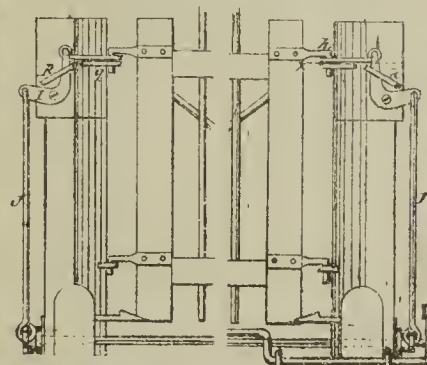
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ISAAC R. RITTER.
SCROLL-SAWS.

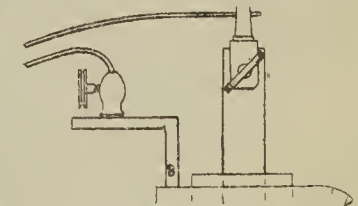
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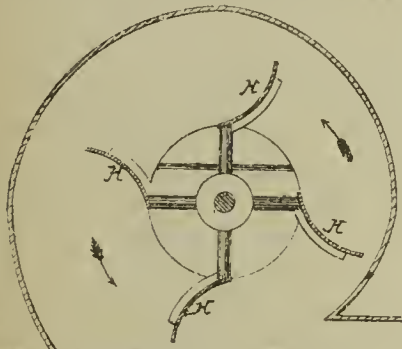
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WILLIAM H. PHILLIPS,
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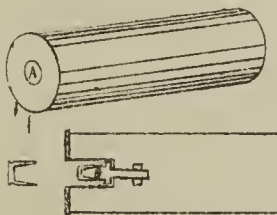
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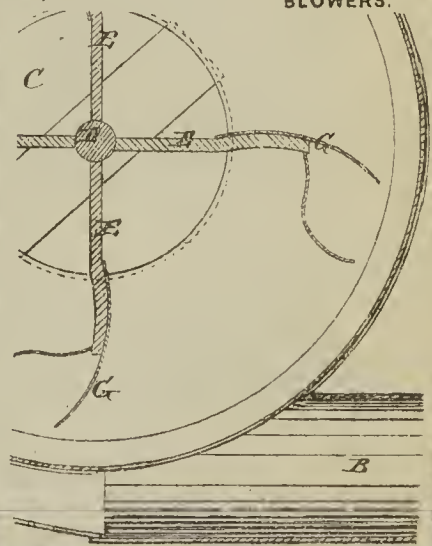
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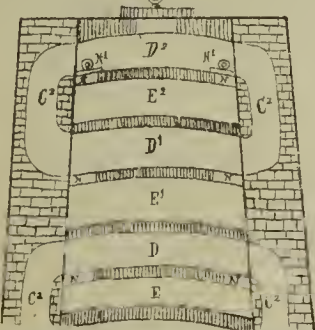
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GEORGE R. PIERCE,
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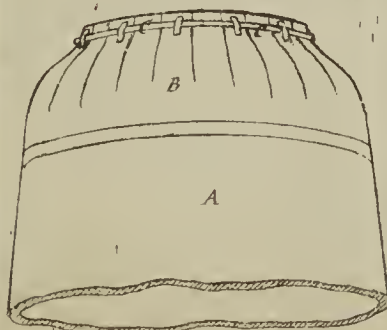
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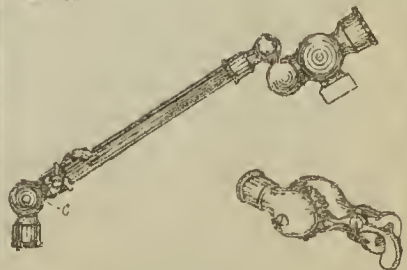
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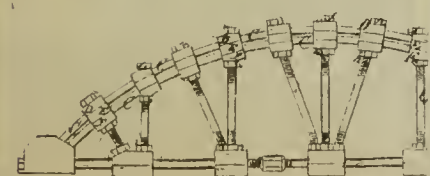
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JAMES C. REED,
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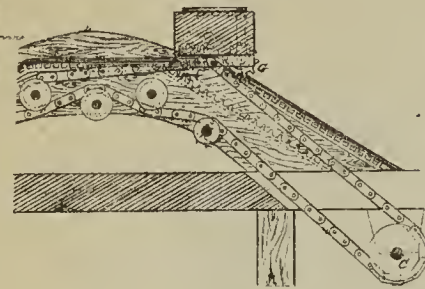
GUSTAV ROSENTHAL,
GAS-FITTINGS.

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OLIVER H. PERRY AND
WILLIAM H. ALLEN,
BRIDGES.

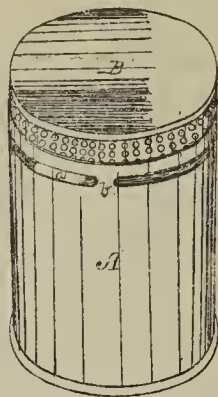
JOHN SCHLEY,
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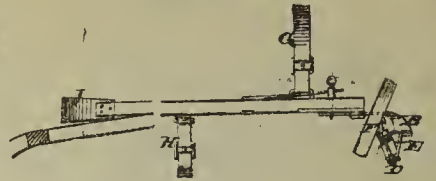
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DREDGE-BOXES.

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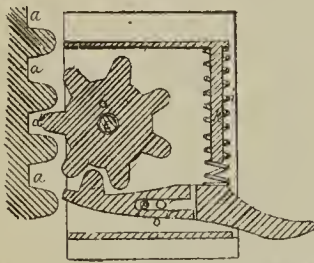
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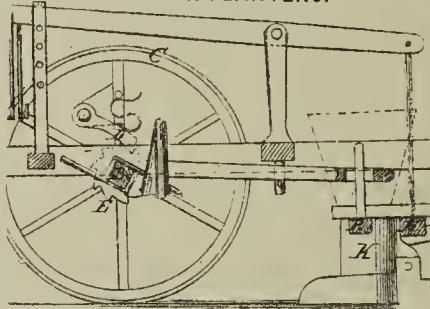
SYLVANUS H. SHAW,
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120,340 STARK AND MITCHELL,
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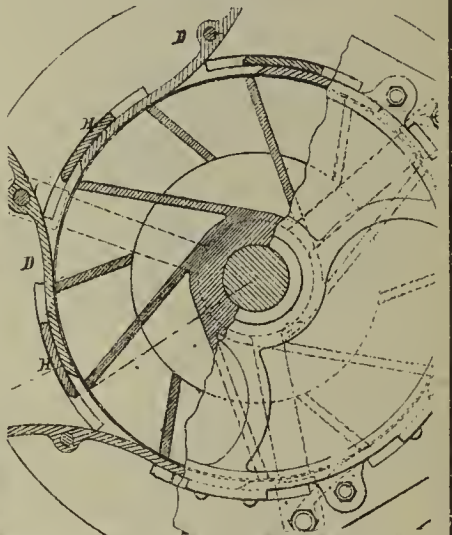
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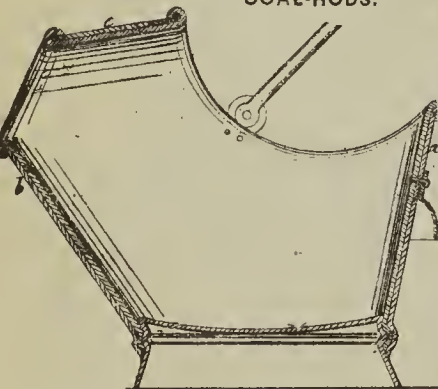
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WATER-WHEELS.

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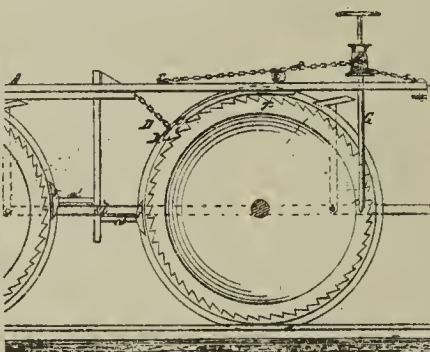
120,336 CHARLES SMITH,
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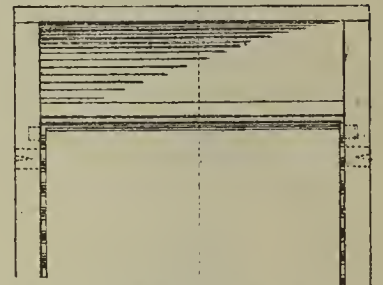
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120,341



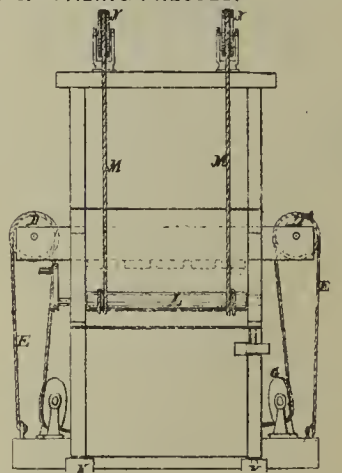
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120,316 WASH-BOARDS.

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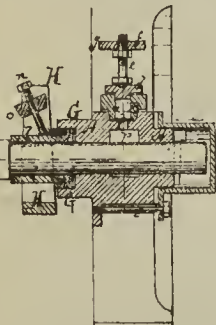
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120,347 BALING-PRESSES.

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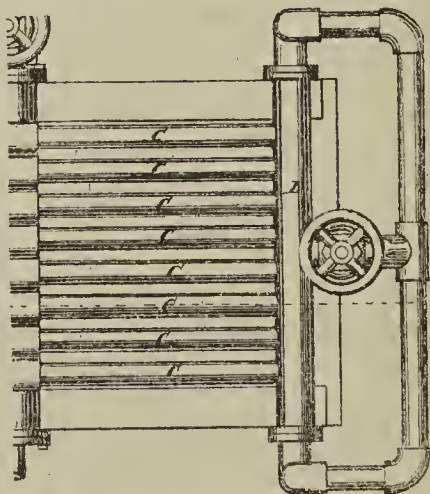
120,337 CYRUS SMITH,
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120,342 THOMAS STONE,
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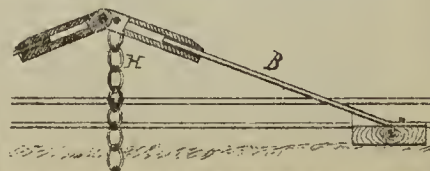
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WILLIAM S. SMOOT,

120,339



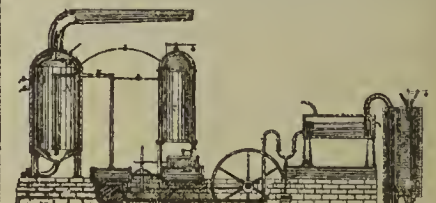
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RAILWAY CATTLE-GUARDS.

120,343

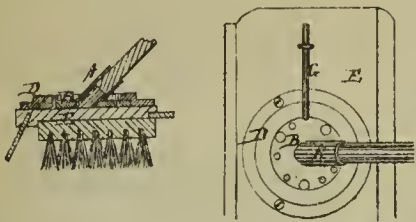


120,349 HERBERT W. O. TWEDDLE,
REFINING HYDROCARBON OILS.

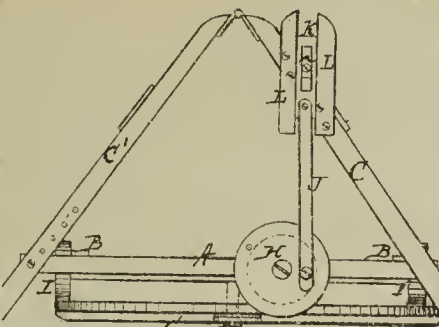
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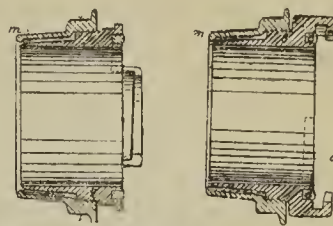
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JOHN N. VALLEY AND JOHN A. STETSON,
SCRUBBING-BRUSHES.

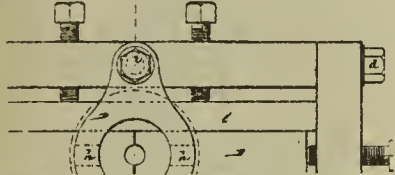
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MYRON G. WOOD,
ANIMAL-POWERS.

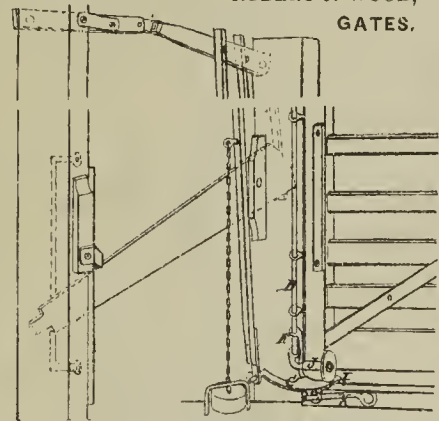
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JAMES C. COOKE,
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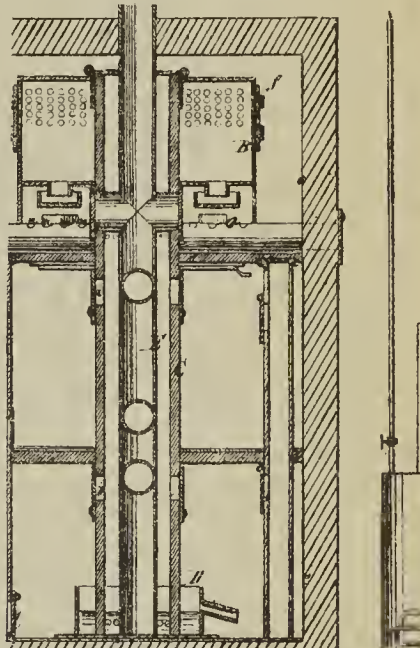
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BENJAMIN L. WALKER,
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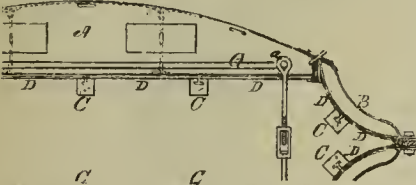
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ROBERT J. WOOD,
GATES.

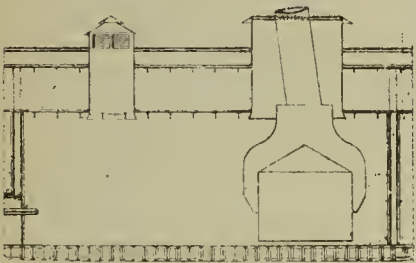
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THEODORE KRAUSCH,
COOLING AND VENTILATING BUILDINGS.

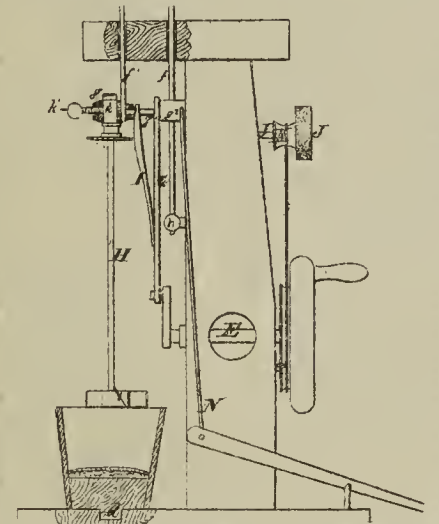
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JOHN E. WALSH,
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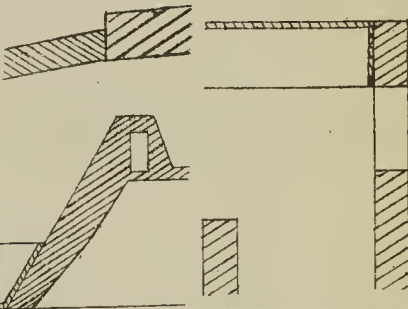
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WILLIAM GRAY WARDEN,
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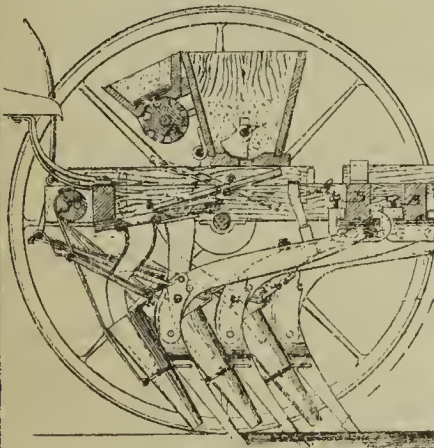
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NATHANIEL TRUE WORTHLEY,
MEAT-CHOPPERS.HENDERSON ROSS AND JOHN H. CLEMENS
FURNACES FOR THE
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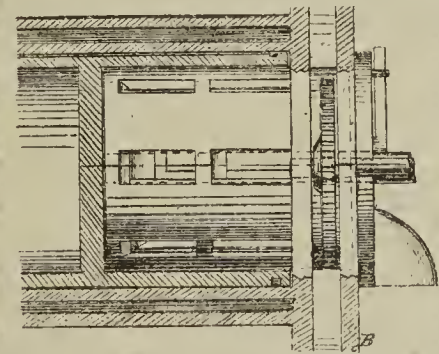
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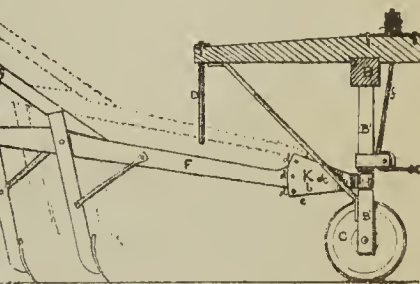
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JACOB W. WEBB,
COMBINED SEEDERS AND CULTIVATORS.ROTARY STEAM-VALVES AND CUT-OFFS.
120,360

HUGH WRIGHT.



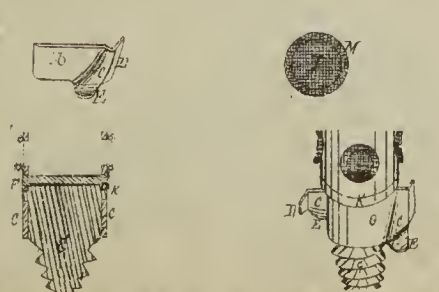
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WILLIAM S. WEIR, JR.,
CULTIVATORS.

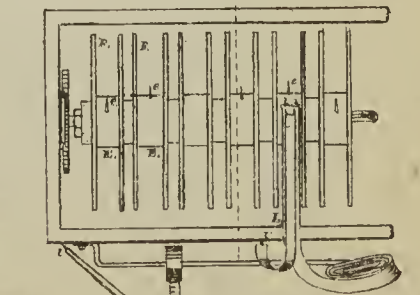
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SOLOMON L. BIGNALL,
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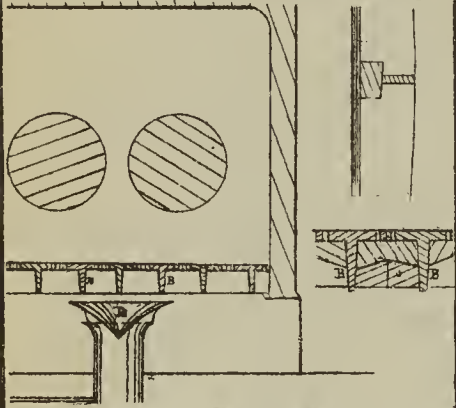
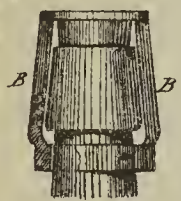
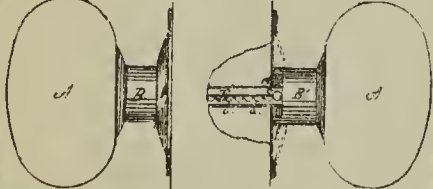
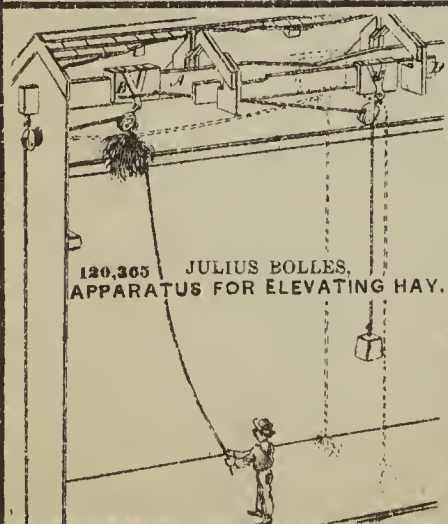
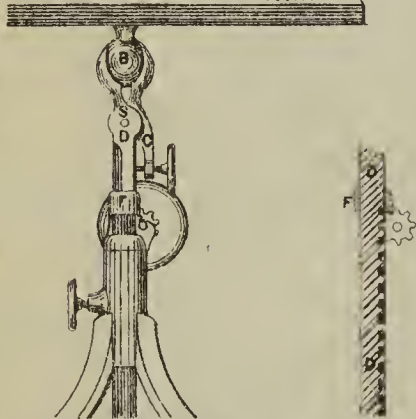
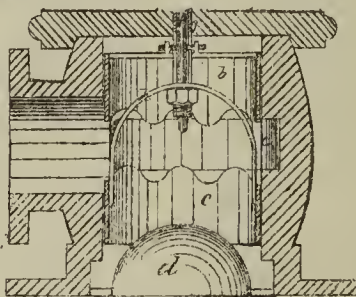
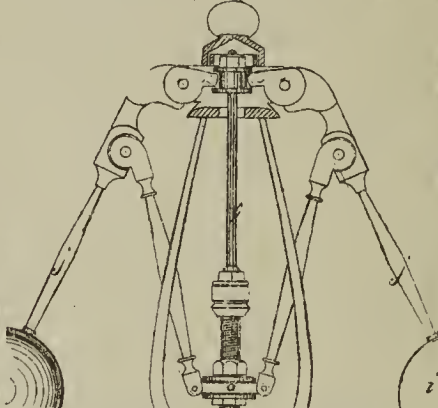
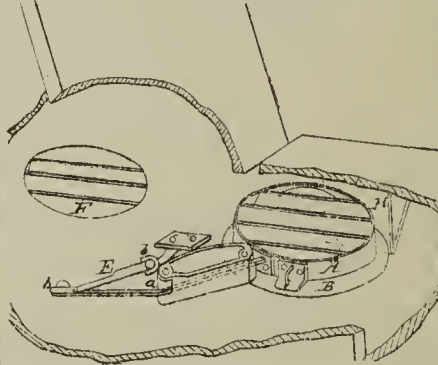
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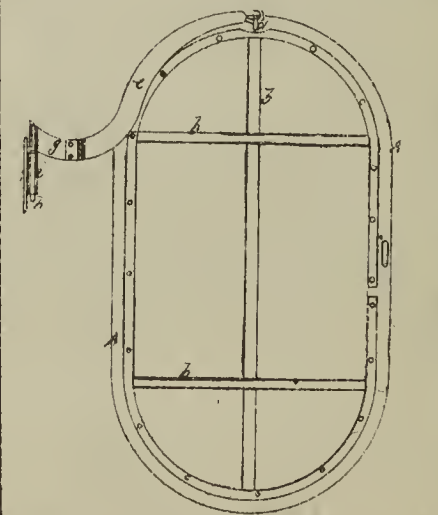
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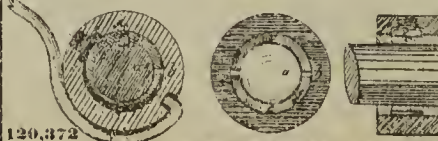
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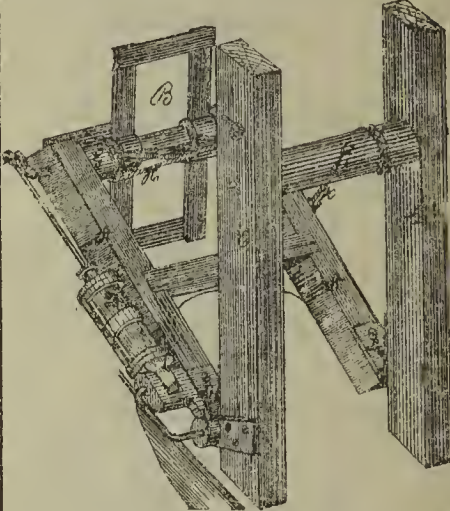
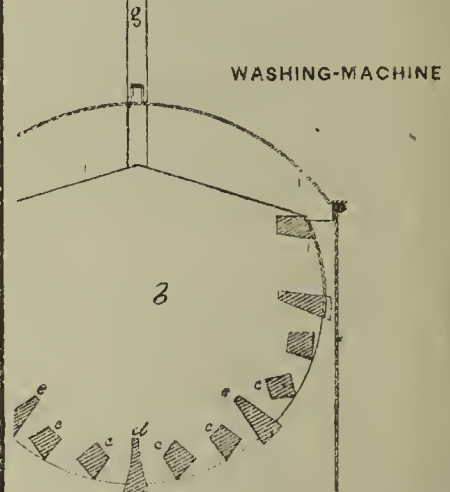
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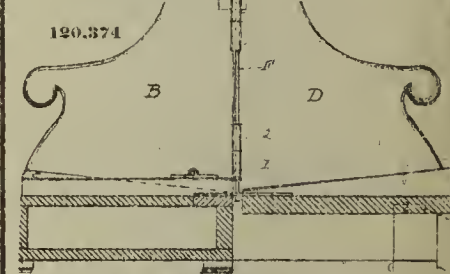
JOHN EISELE, SHAFT-COUPPLINGS.



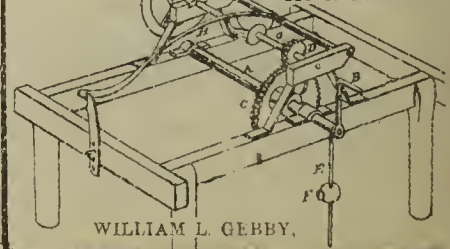
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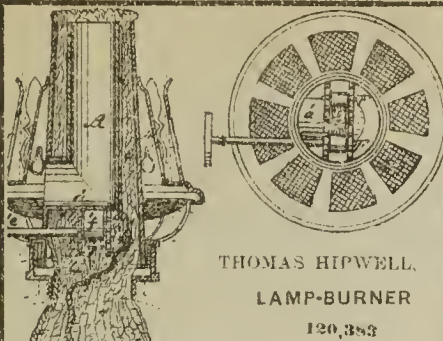
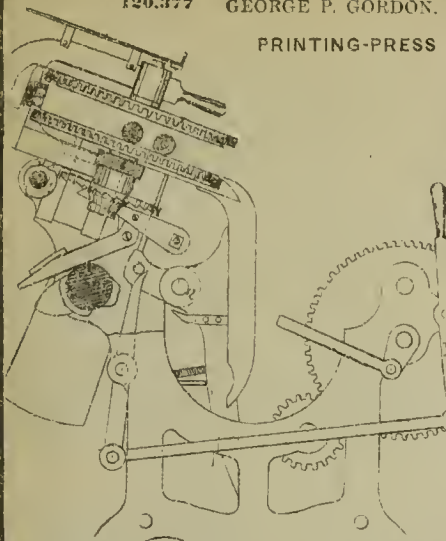


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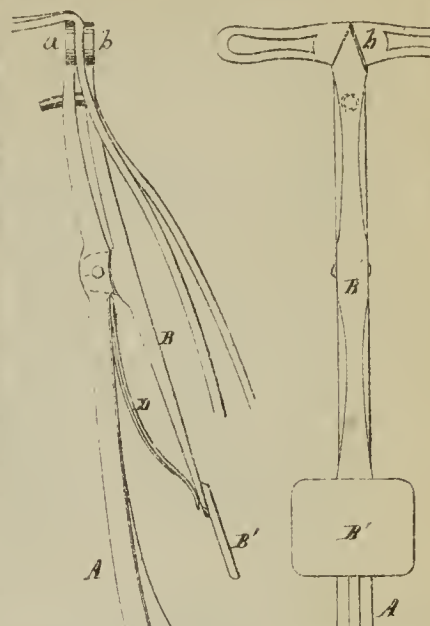
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120,377 GEORGE P. GORDON.
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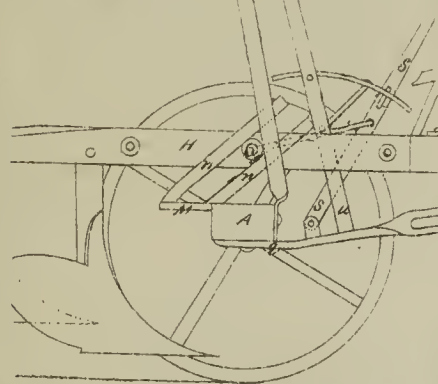


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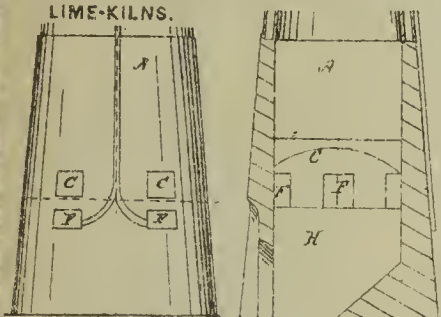
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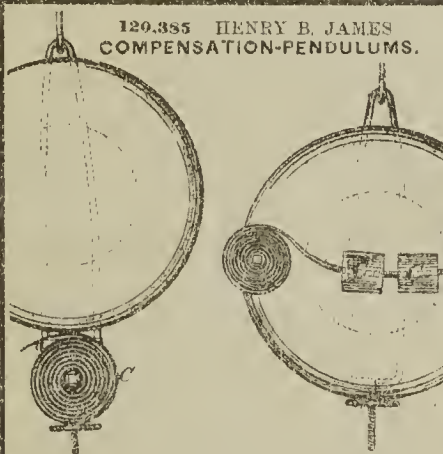
JAMES M. HUIE AND ELISHA CARD,
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120,378 MICHAEL GROH AND J. V. WEITZ.
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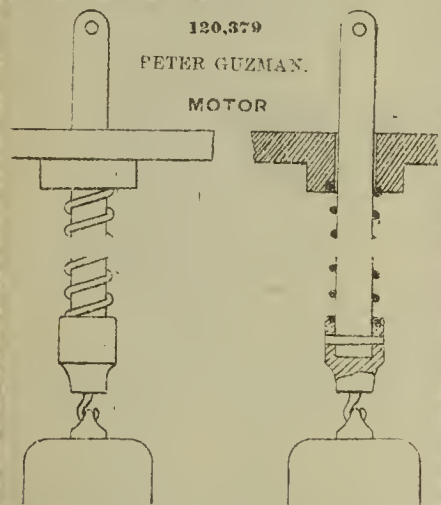
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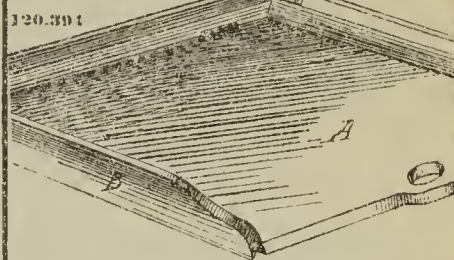
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WILLIAM H. MILES, JR.,
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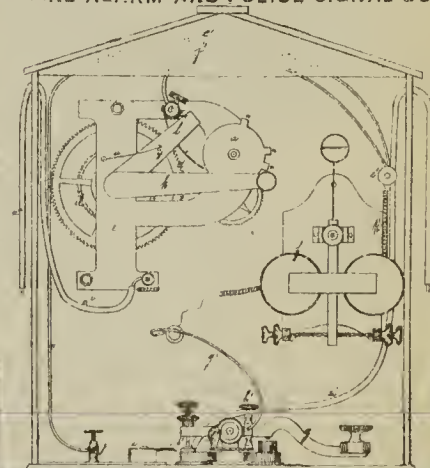
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NILS B. PETTERSON.
DOUGH-BOARD



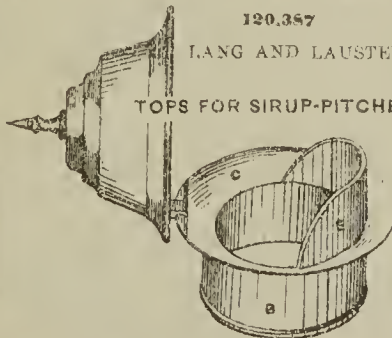
120,395 WILLIAM J. PHILIPS.
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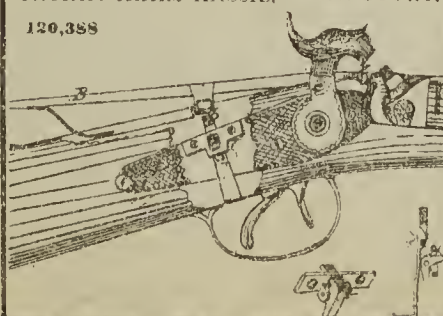
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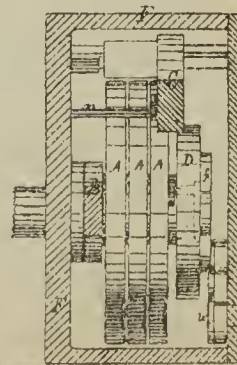
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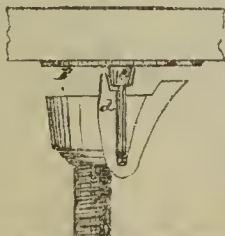


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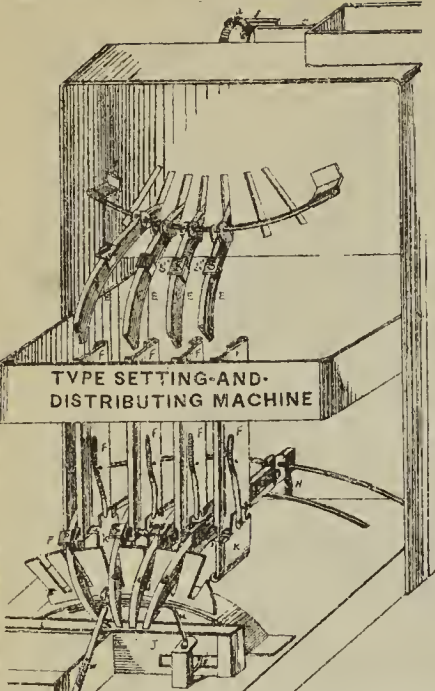
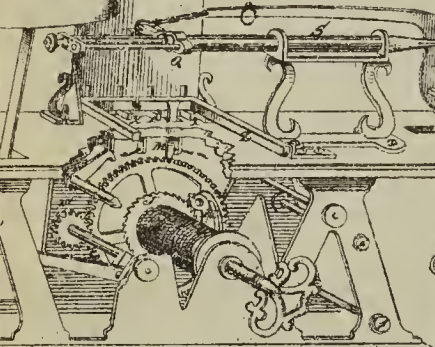
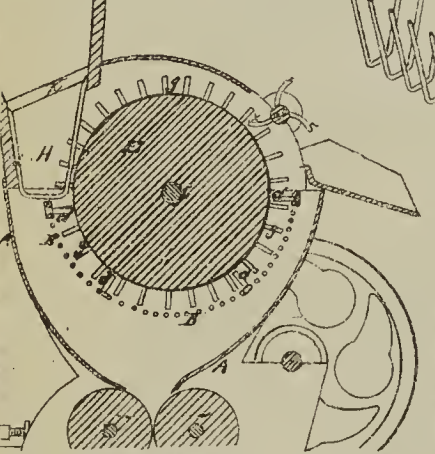
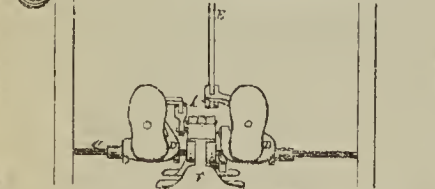
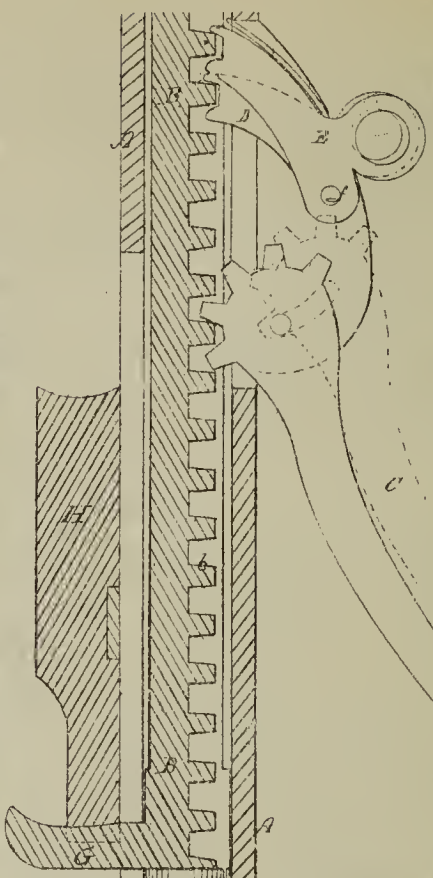
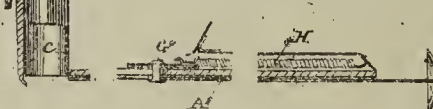
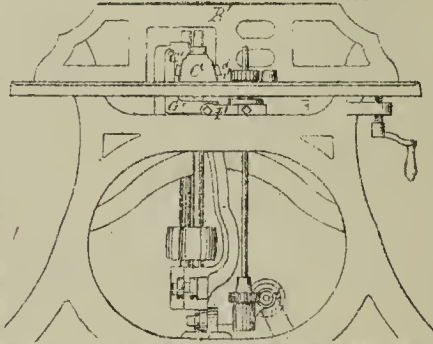
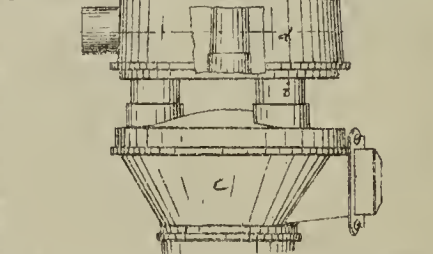
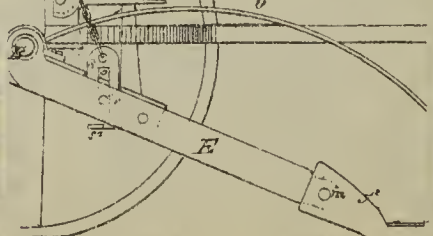


LEVI HEYWOOD.
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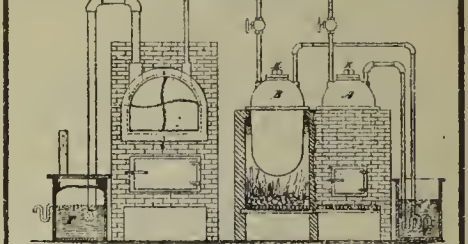
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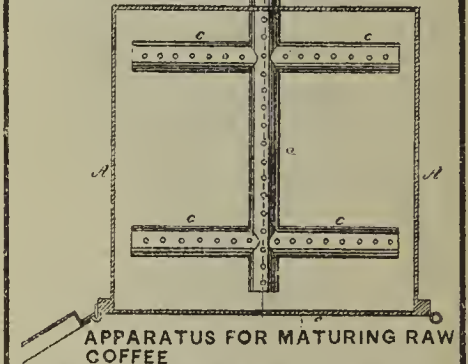
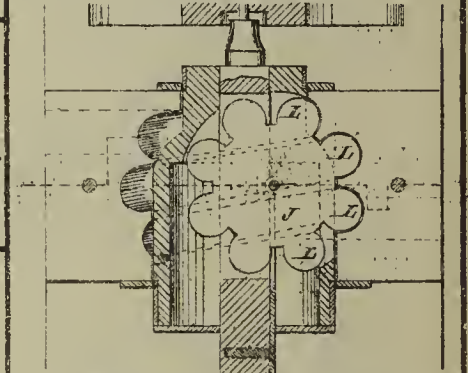
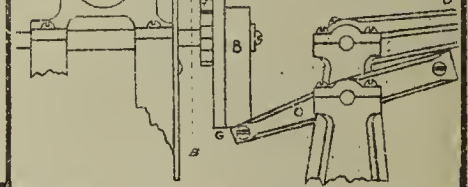
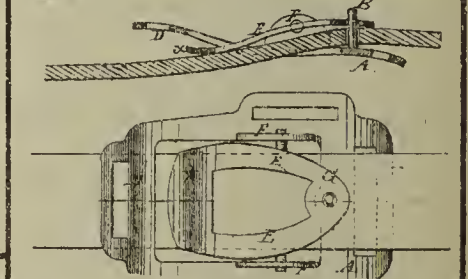
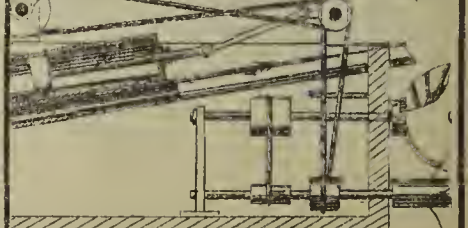
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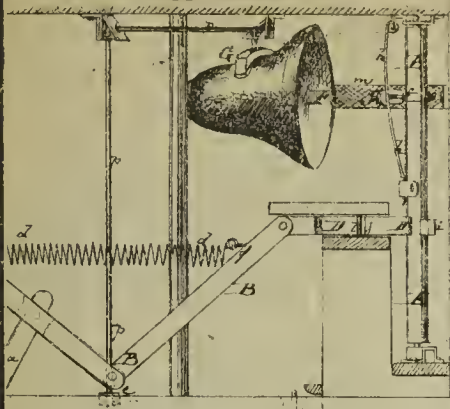
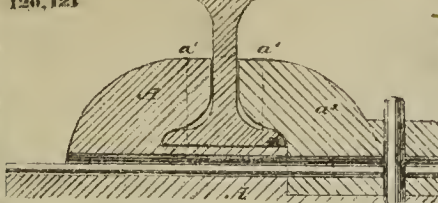
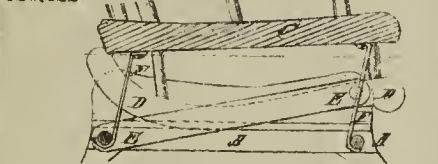
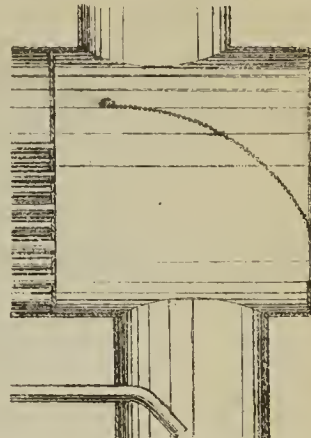
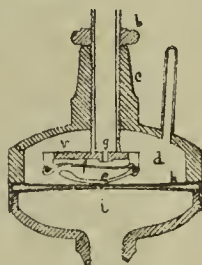
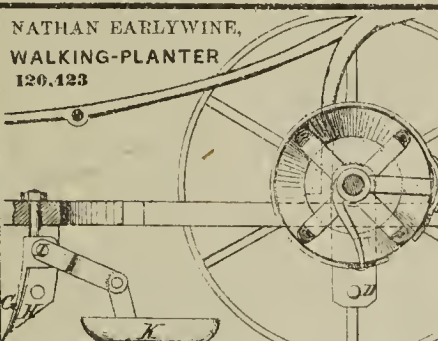
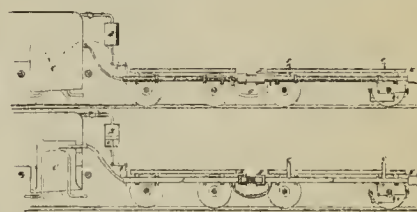
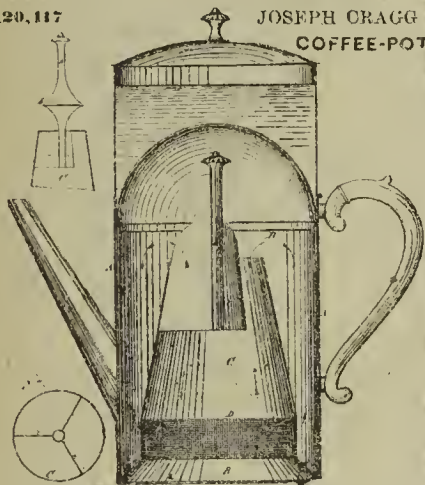
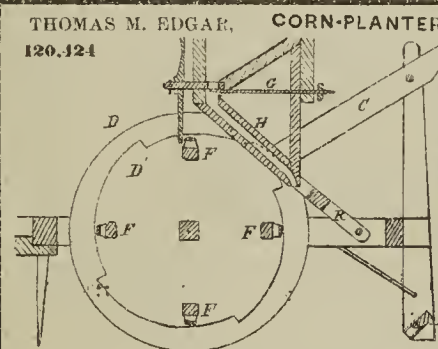
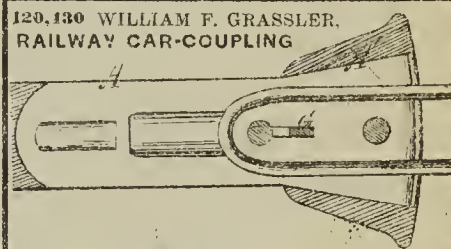
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120,408 EBENEZER WILCOX, WEEDING-HOE

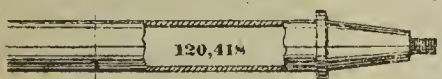
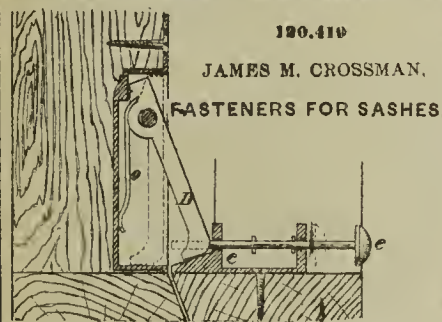
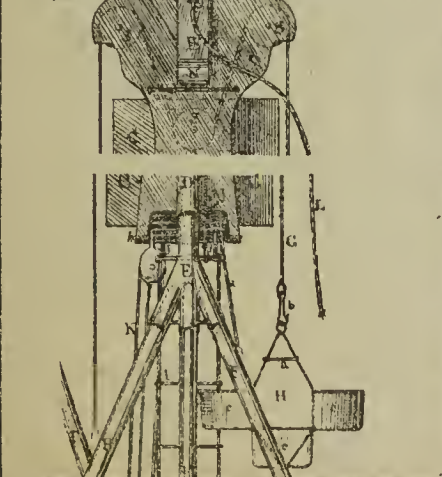
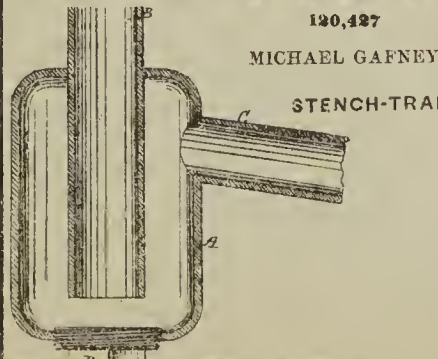
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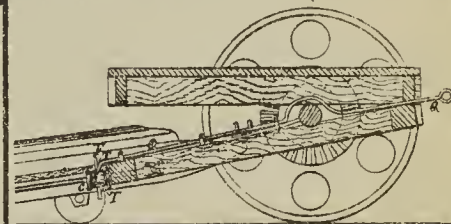
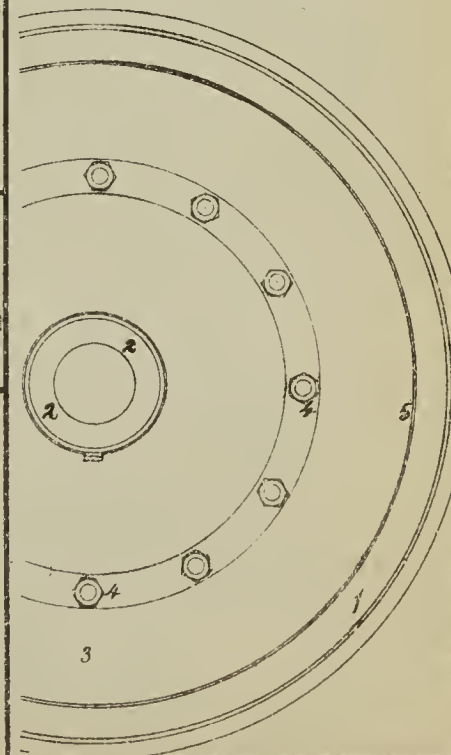
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120,432 JAMES BAIRD HANDYSIDE,
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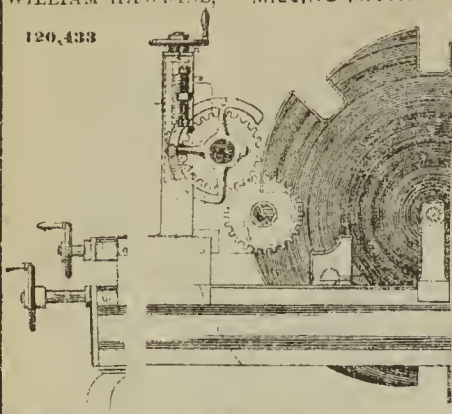
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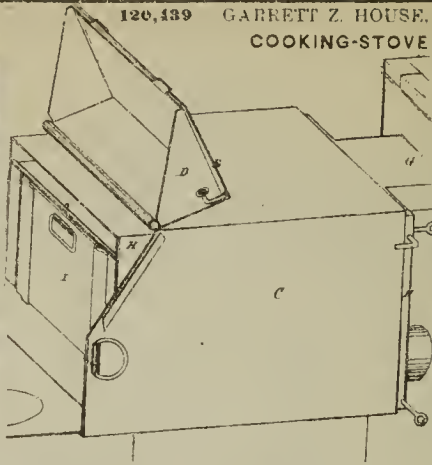
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WILLIAM HAWKINS, MILLING-MACHINE

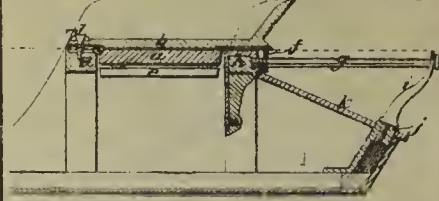
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120,439 GARRETT Z. HOUSE, COOKING-STOVE

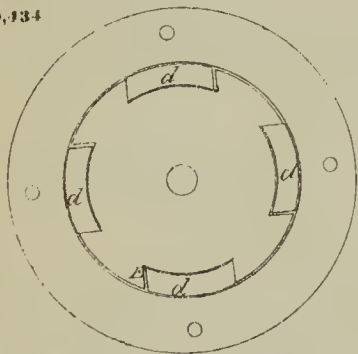


120,444 KRONINGER AND KRONINGER, ADJUSTABLE BUGGY-SEATS



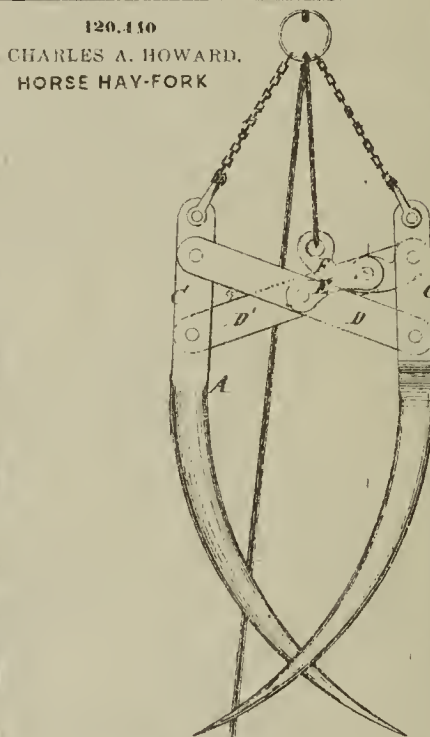
GEORGE W. HEDGES, FRICTION-CLUTCH.

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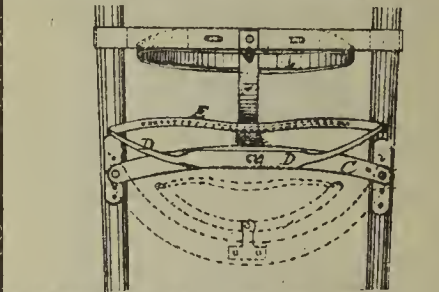


120,440 CHARLES A. HOWARD, HORSE HAY-FORK

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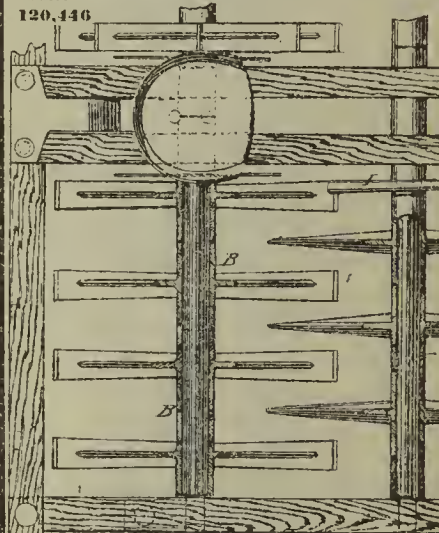


120,445 ARTHUR W. LAWTON, HARNESS.



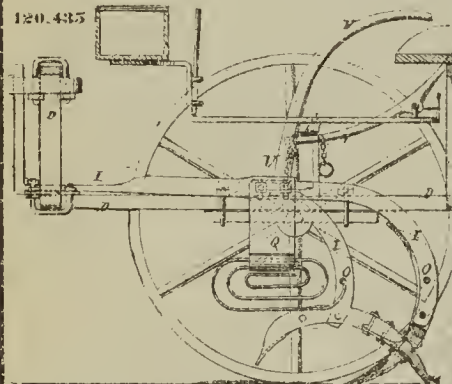
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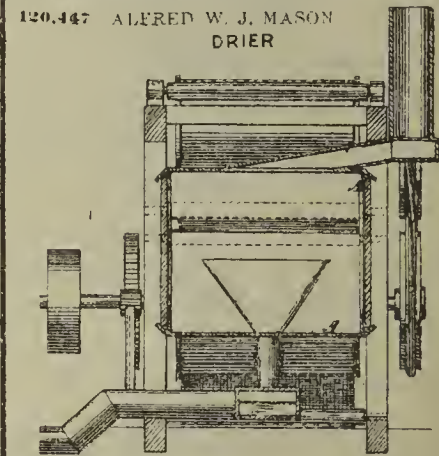


PHILIP HEWITT, SULKY-CULTIVATOR

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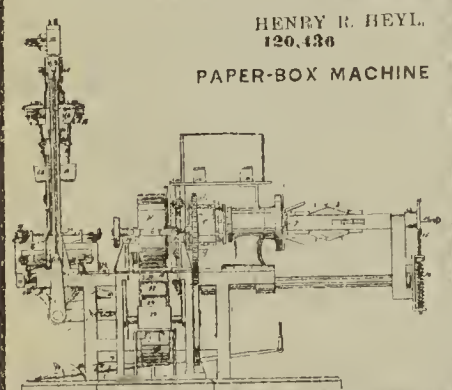


120,447 ALFRED W. J. MASON, DRIER



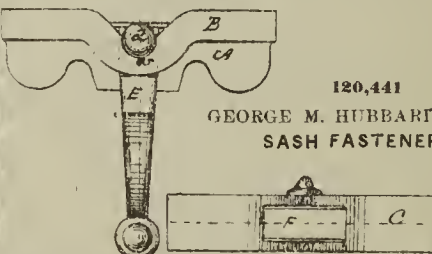
HENRY R. HEYL, PAPER-BOX MACHINE

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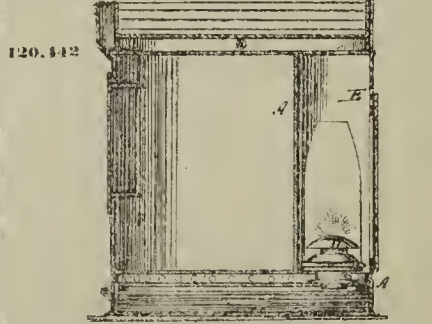
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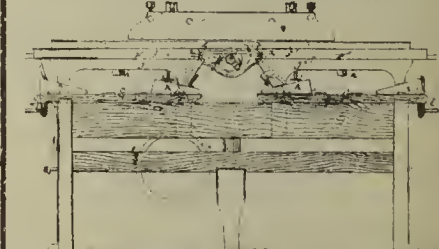


KETCHAM AND KETCHAM, DINNER-PAIL

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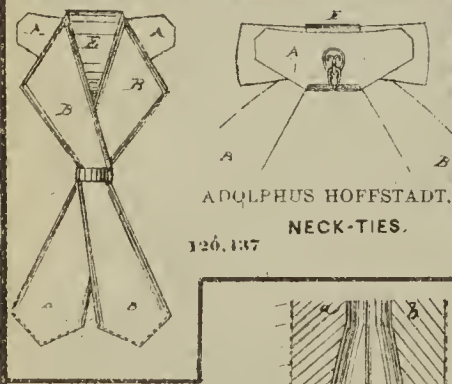


120,448 MCBETH, BENTEL, MARGEDANT, AND CLIMER, PLANING-MACHINE



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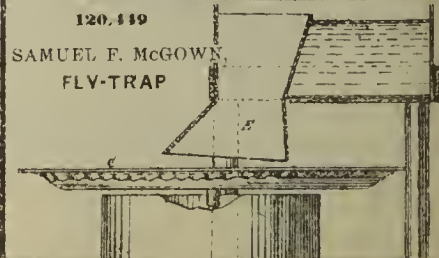
120,443 HIRAM KNIGHT, CLOTHES-DRIER

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120,449 SAMUEL F. MCGOWN, FLY-TRAP

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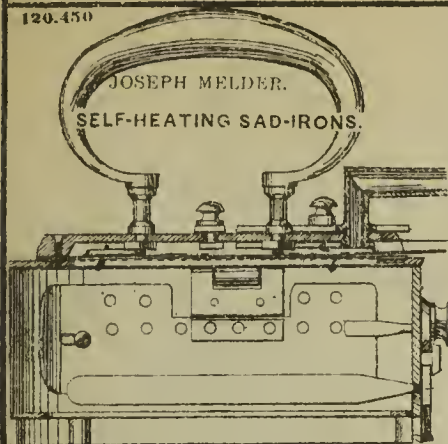


120,438 JULIUS HOPKINS HOLSEY, BLASTING-PLUG

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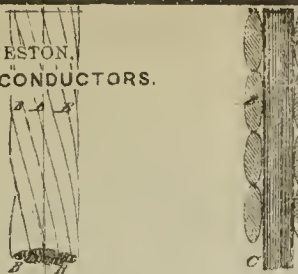


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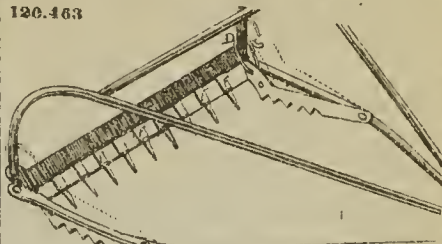
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OTHNIEL PRESTON,
LIGHTNING-CONDUCTORS.



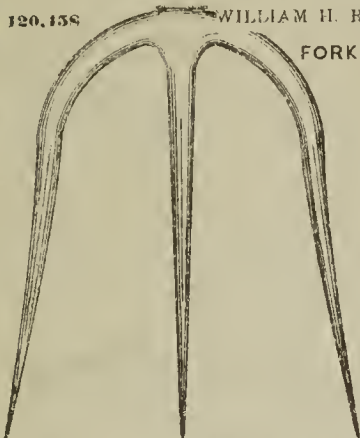
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THOMAS P. SINK OYSTER-DREDGE



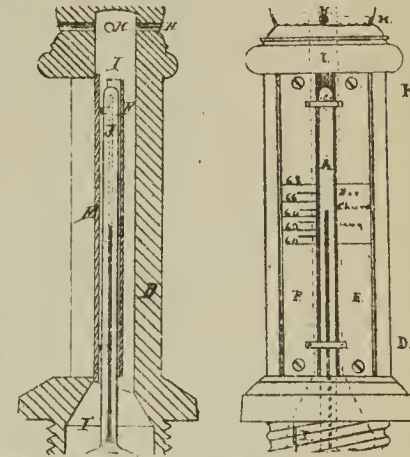
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WILLIAM H. RODDEN,
FORK-TINES.

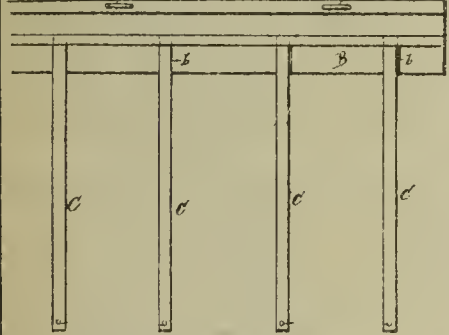


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JAMES HARVEY SMILEY,
CHURN-THERMOMETER

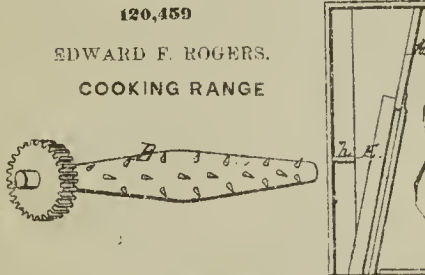


120,452 DANIEL MILLER. CLOTHES-DRIER



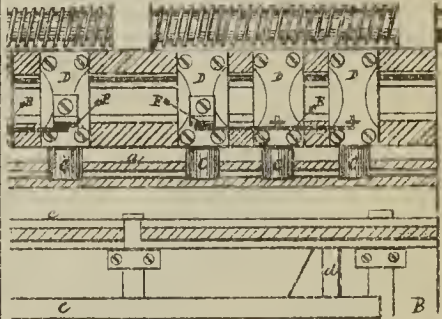
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EDWARD F. ROGERS,
COOKING RANGE



120,465

EDWARD H. SMITH,
BLIND-STYLE BORING-MACHINE



120,453

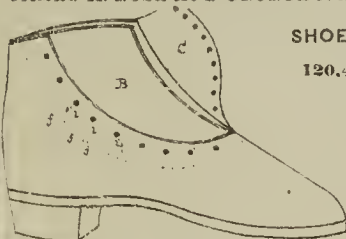
JOEL B. MILLER,
CIGAR-LIGHTER



JAMES A. ROSE AND GEORGE J. MASON,

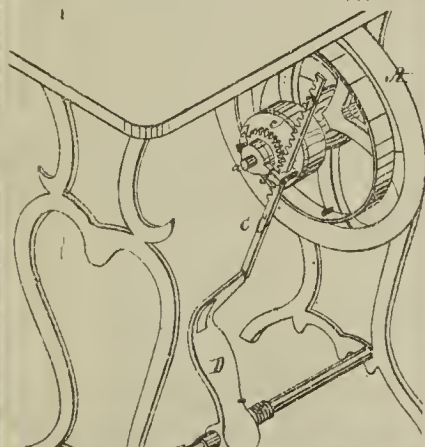
SHOES.

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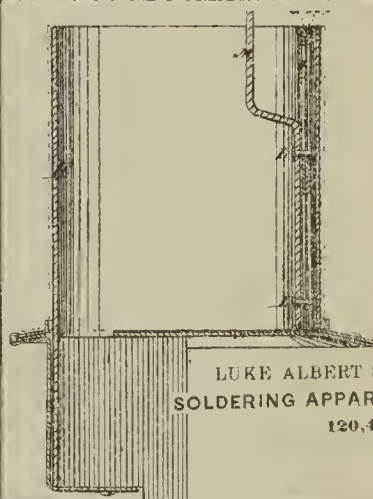


120,461

A. B. SHAW, TREADLE



120,462 SOLOMON SIBLEY, SHIRT-BOSOMS.

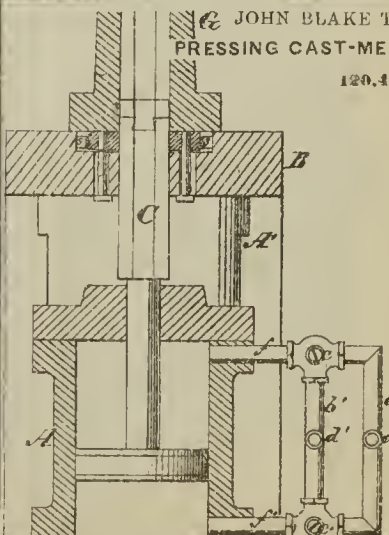


LUKE ALBERT SMITH,
SOLDERING APPARATUS.

120,466

JOHN BLAKE TARR,
PRESSING CAST-METALS.

120,467



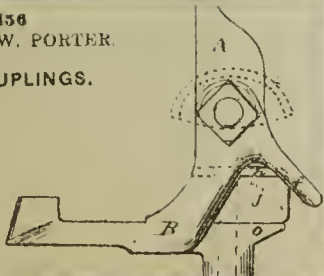
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ARCHIBALD A. PORTER,
DESKS AND CHAIRS COMBINED.

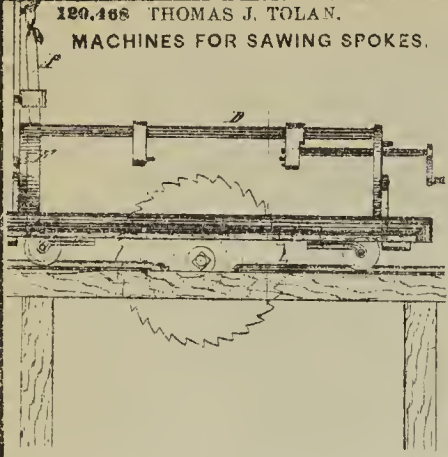


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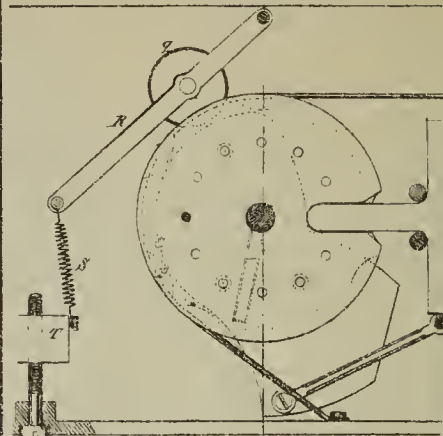
THOMAS W. PORTER,
THILL-COUPPLINGS.



120,468 THOMAS J. TOLAN.
MACHINES FOR SAWING SPOKES.

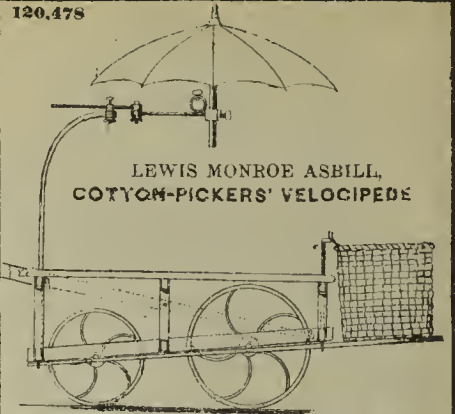


120,472 SAMUEL C. WEDDINGTON.
PERMUTATION LOCK

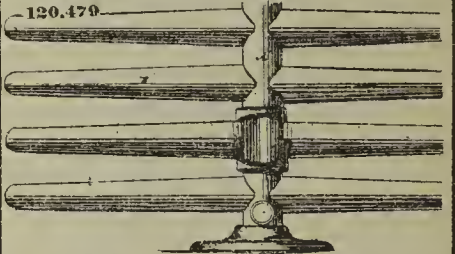


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LEWIS MONROE ASBILL,
COTTON-PICKERS' VELOCIPEDE



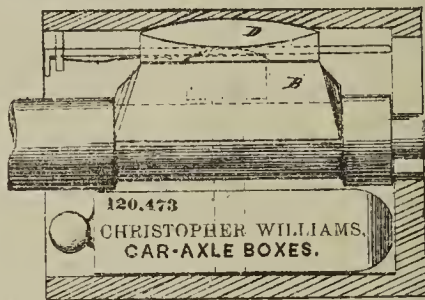
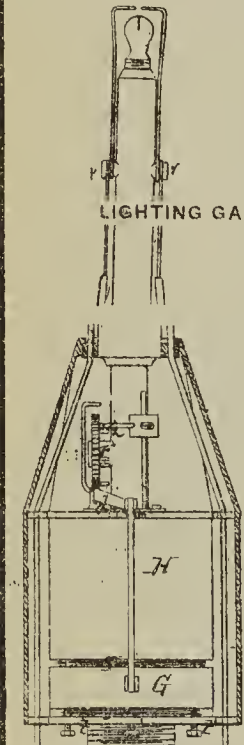
BENJAMIN T. BABBITT. STEAM-HEATER



120,479

120,469

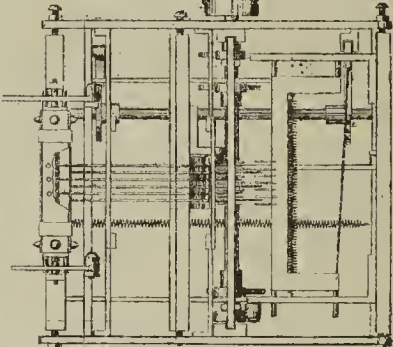
JOHN VANSANT,
LIGHTING GAS BY ELECTRICITY.



120,473

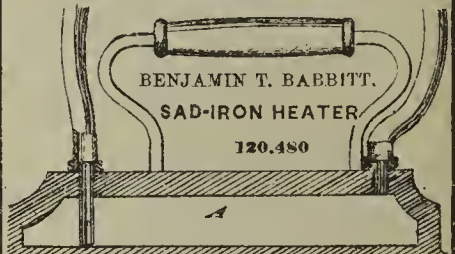
CHRISTOPHER WILLIAMS.
CAR-AXLE BOXES.

120,474 HENRY WILLIAMSON.
LACE-KNITTING MACHINE



BENJAMIN T. BABBITT.
SAD-IRON HEATER

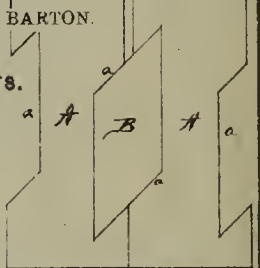
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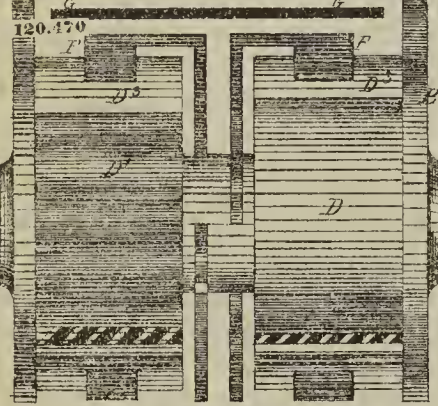
WILLIAM OSCAR BARTON.

WOOD PAVEMENTS.

120,481

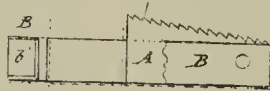


GILBERT M. VENABLE. ROTARY ENGINE



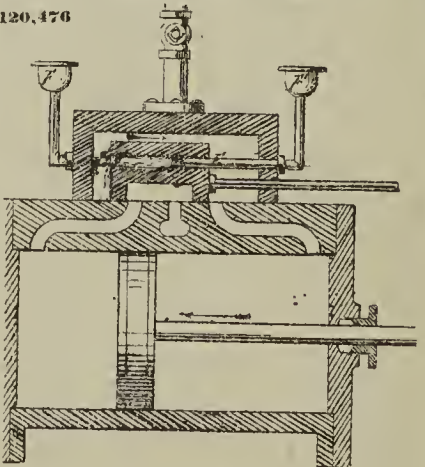
120,475 ANDREW H. WOODRUFF.

PIPE-WRENCH ATTACHMENTS
FOR MONKEY-WRENCHES.

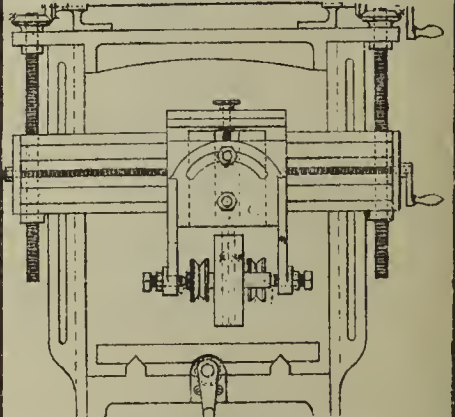


ALMON N. ALLEN AND RODNEY H. DEWEY
LUBRICATORS FOR STEAM-VALVES

120,476

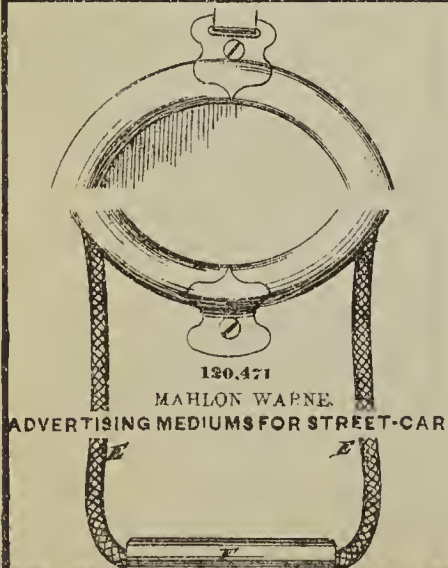
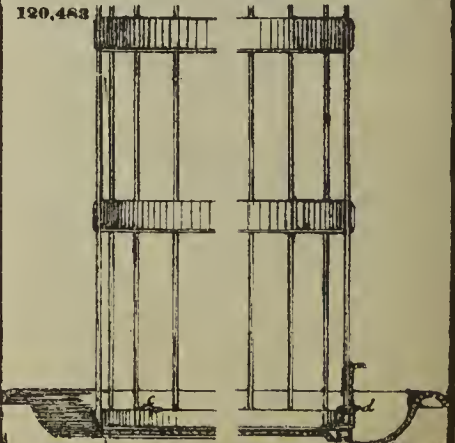


120,482 THOMAS W. BAXTER,
STONE-DRESSING MACHINE



JAGEL, GREBNER, AND BOLZ. BIRD-CAGE

120,483



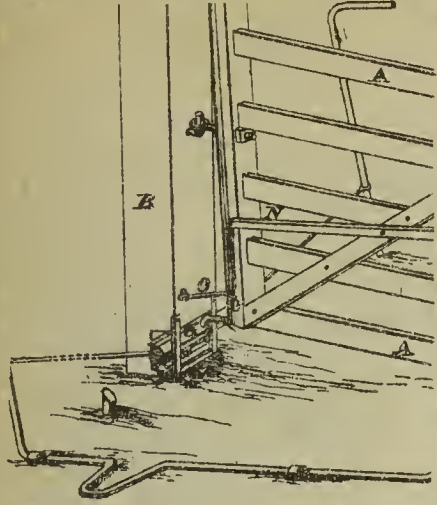
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MAHLON WARNE.
ADVERTISING MEDIUMS FOR STREET-CARS

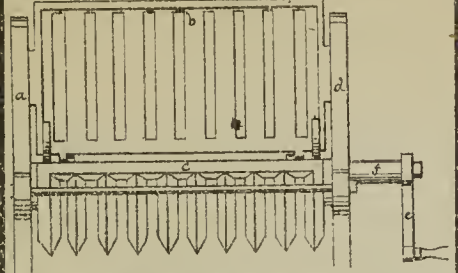
120,477 JOHN ARMSTRONG,
HOLD-BACKS FOR SHAFTS OF VEHICLES.



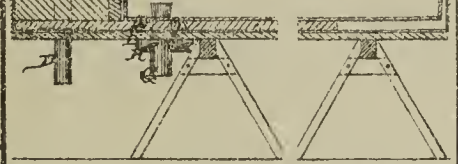
120,484 GEORGE C. BOVEY. GATE



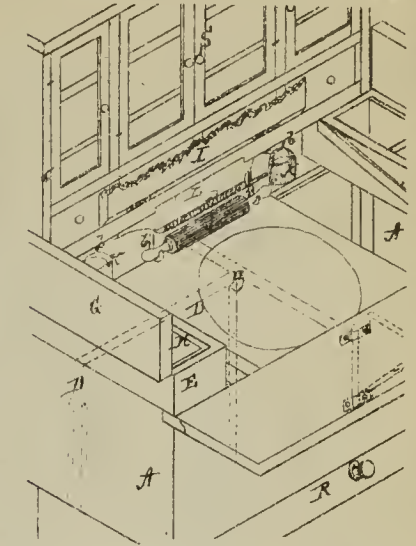
120,490 JOHN CAVEN. FIRE-PLACE GRATE



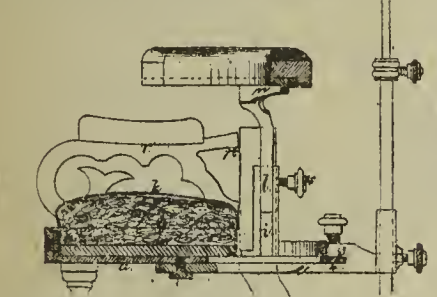
120,491 JOHN CHAPPEL, MILK-REFRIGERATOR



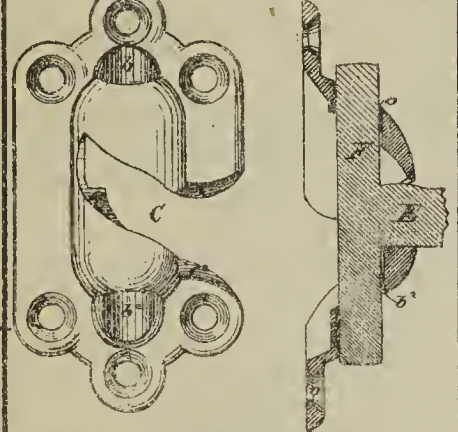
120,496 THOMAS JEFFERSON CORR. FLOUR-CHESTS AND CUPBOARDS.



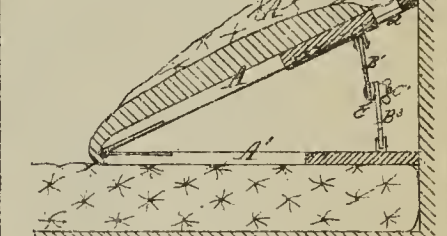
120,485 NELSON S. BOWDISH. PHOTOGRAPHIC POSING-CHAIR



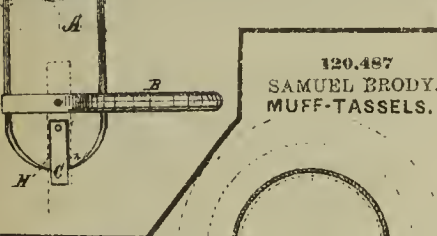
120,492 PASCAL P. CHILDS. HINGES FOR GATES, &c.



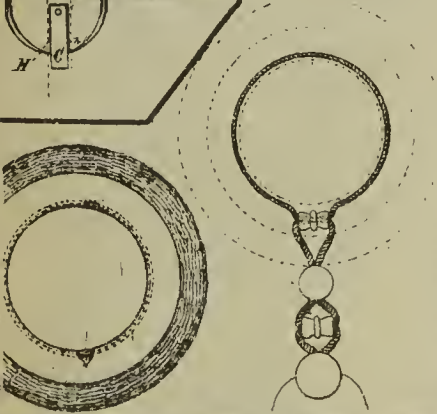
120,498 GEORGE COUCH. ADJUSTABLE BOLSTER



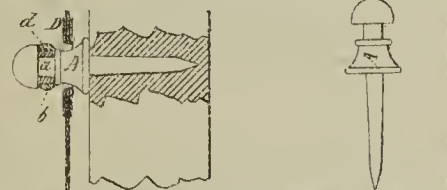
120,486 BRINTZINGHOFFER AND ECKERT. BRUSH-HANDLE



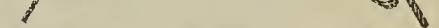
120,487 SAMUEL BRODY. MUFF-TASSELS.



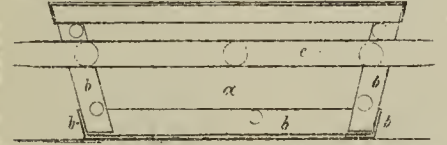
120,493 ALVIN B. CLARK. CARRIAGE-CURTAIN FASTENINGS.



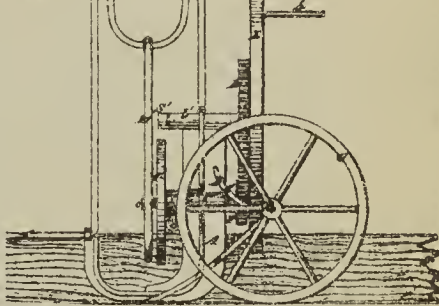
120,499 JOHN W. CROUCH. GIG-SADDLE



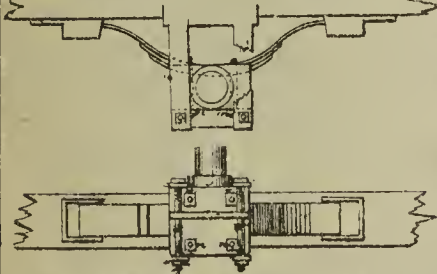
120,494 CHARLES W. COFFIN. COAL-BOX



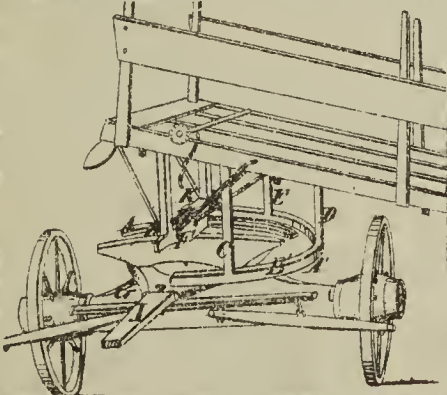
JACOB D. CULVER. SAWING-MACHINE



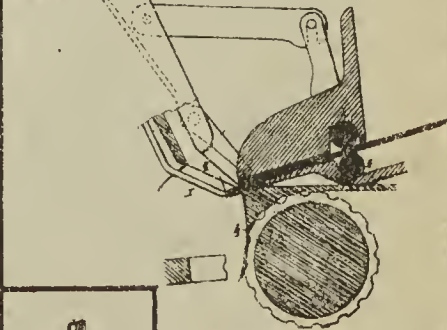
120,488 GEORGE B. BRYANT. CAR-TRUCKS AND AXLES.



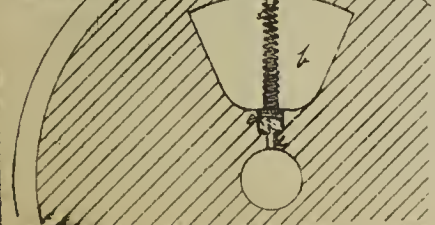
120,495 FREDERICK W. COLE. WAGONS.



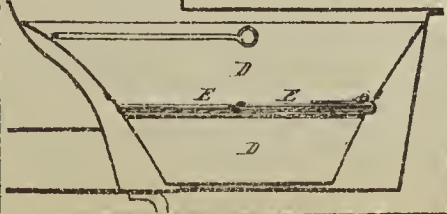
120,501 FERDINAND DAVISON. CUT-NAIL MACHINE



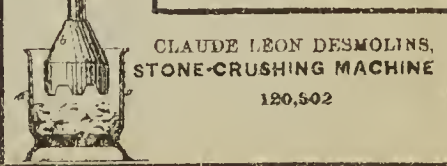
GEORGE B. BRYANT. CAR WHEEL



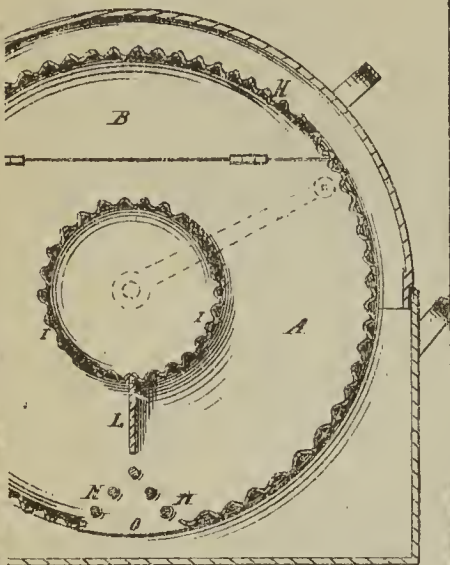
120,497 AUGUSTUS P. CORSE. COOKING-STOVE



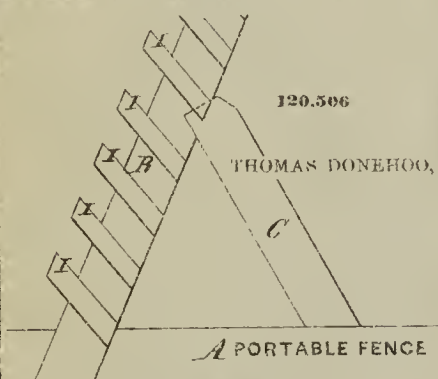
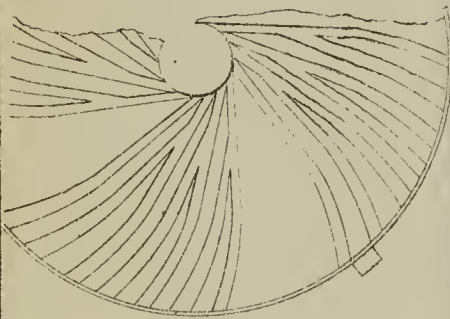
CLAUDE LEON DESMOLINS. STONE-CRUSHING MACHINE



120,504 WILLIAM JAMES DODGE,
WASHING-MACHINE



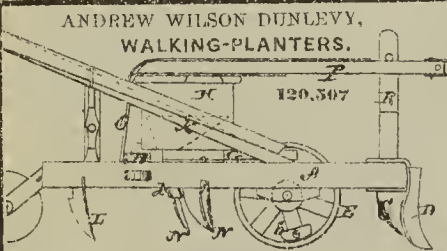
120,505 HENRY DOLMETCH,
MILL-STONE DRESSINGS.



120,506

THOMAS DONEHOO,

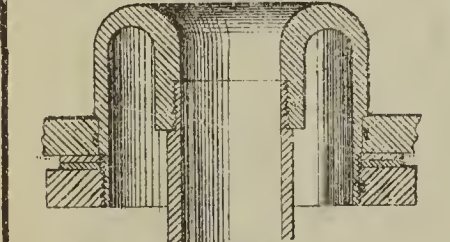
A PORTABLE FENCE



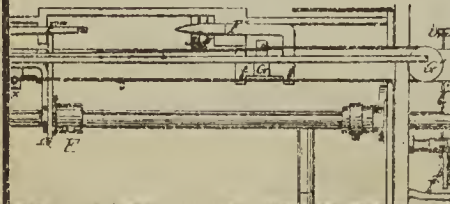
ANDREW WILSON DUNLEVY,
WALKING-PLANTERS.

120,507

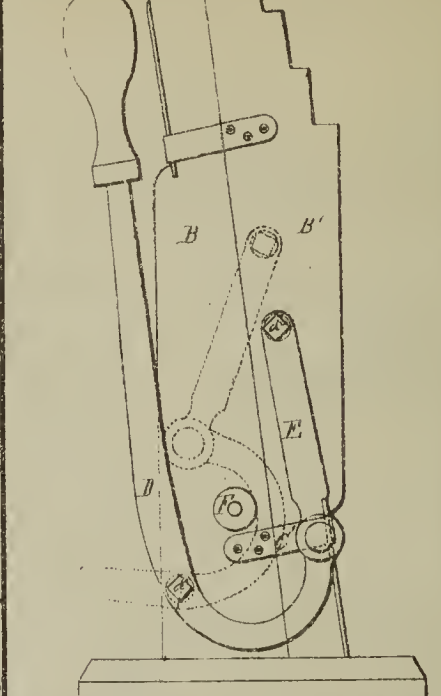
120,508 ADDISON C. FLETCHER,
STEAM-BOILER FLUE-JOINTS.



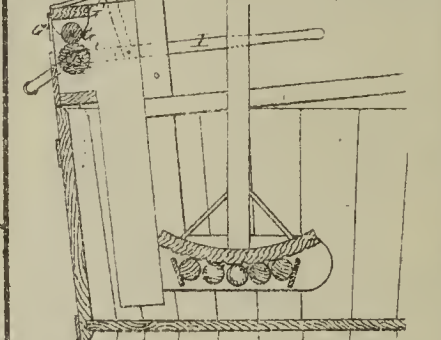
120,510 WILLIAM V. GEE, LOOM



120,511 WILLIAM H. GREENWALT,
LIFTING-JACK



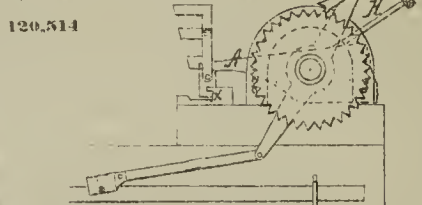
120,512 LUKE HALE,
CLOTHES-WRINGER



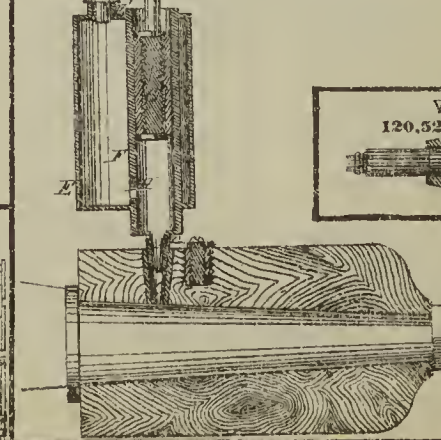
120,513 HENRY M. HALL,
BINDERS FOR SEWING-MACHINES.



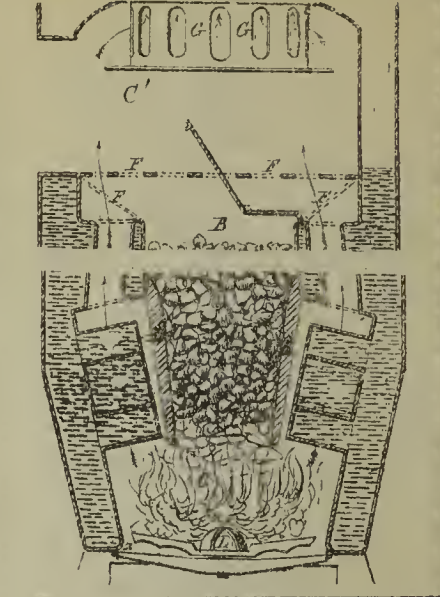
SAMUEL W. HARRIS,
SAW-MILL HEAD-BLOCKS.



120,515 WILLARD H. HARVEY,
LUBRICATORS FOR AXLES



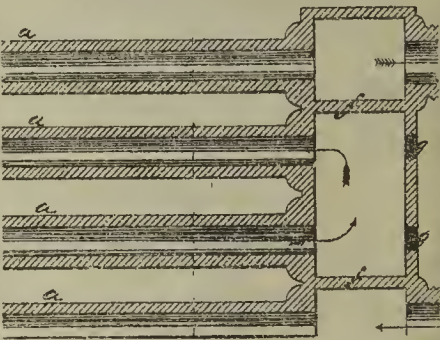
120,516 JACOB F. HAYEN,
STEAM-BOILERS.



120,517 WILLIAM HENRY,
FOLDING-STEPS FOR VEHICLES.

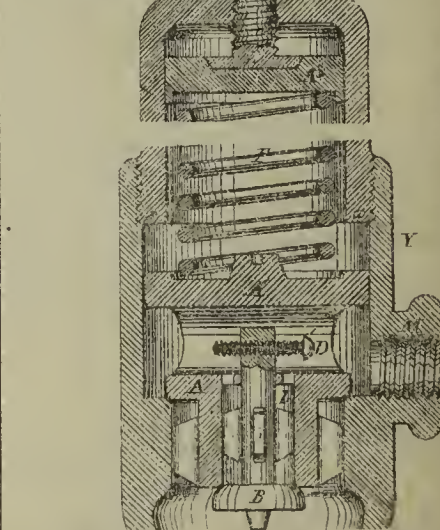


120,518 GEORGE HIBBERD,
WATER-HEATERS FOR STOVES.



GEORGE HIBBERD,
SAFETY-AND-VACUUM VALVES.

120,519



WILLIAM S. HICKS, PEN-AND-PENCIL CASES.

120,520

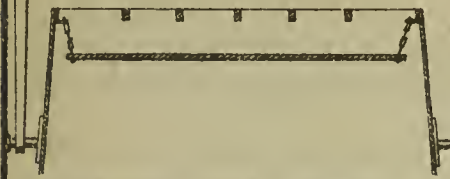
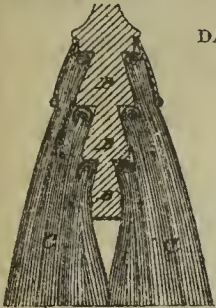
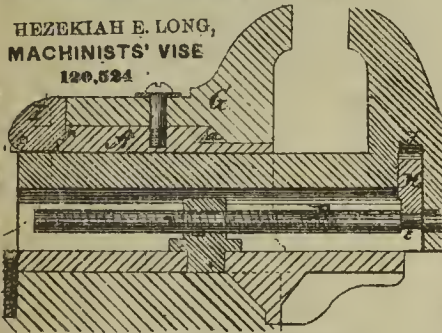
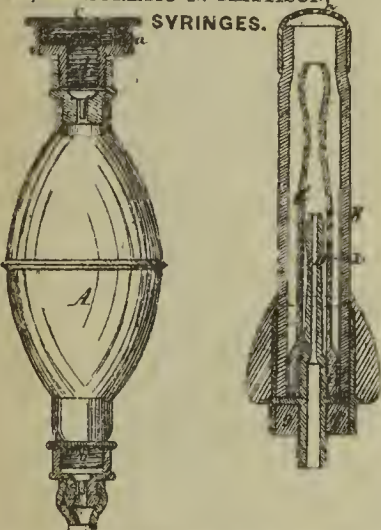
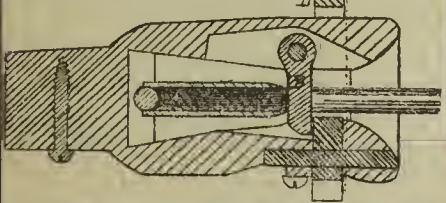


120,521 HITT AND LENT,
MACHINES FOR UPSETTING TIRES.

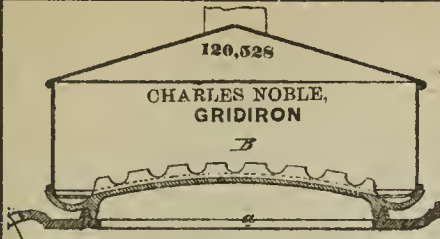
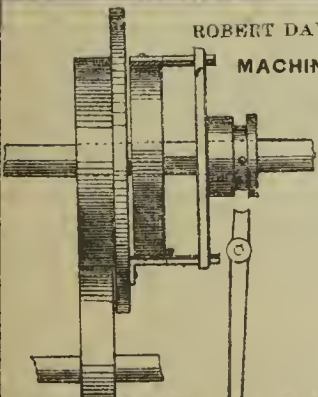
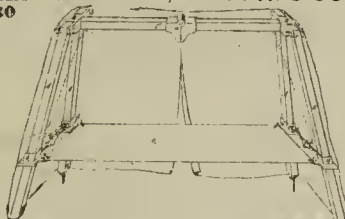
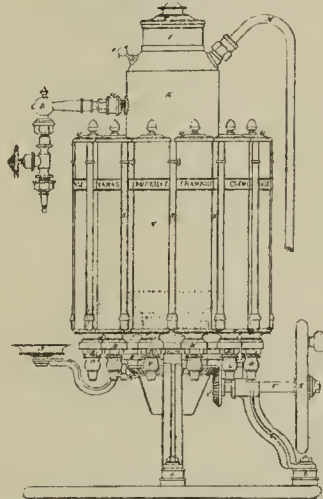


120,522 HULBERT AND AUBIN,

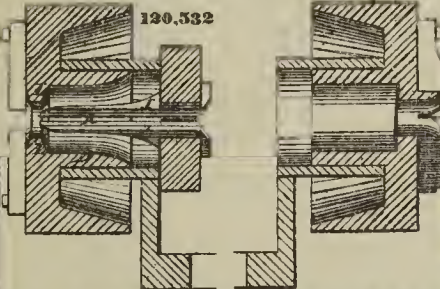
HOISTING-BUCKET

120,523
DANIEL W. LAPHAM,
BRUSHES.HEZEKIAH E. LONG,
MACHINISTS' VISE
120,524120,525 HORATIO N. MATTISON,
SYRINGES.120,526 McEVEN AND EVES,
RAILWAY-CAR COUPLINGROBERT DAVID NAPIER,
MACHINERY BRAKE

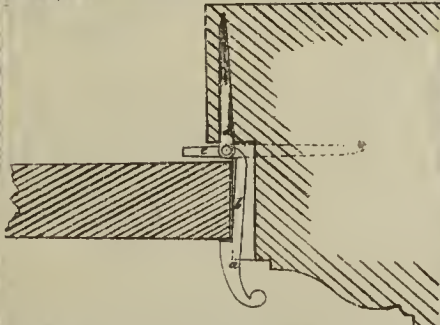
120,527

120,529
ALWIN PAYNE,
METALLIC CARTRIDGES.WILLIAM H. PENROSE, TENTS AND COTS.
120,530120,531 ANTOINE PICCALUGA,
SIRUPS OR CREAMS AND SODA-WATER.

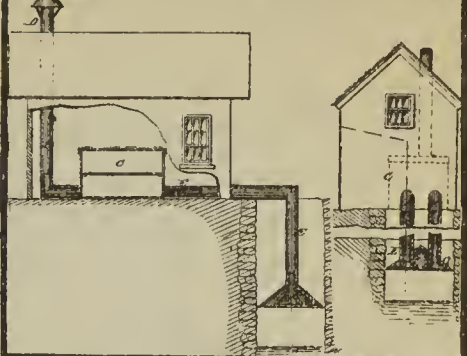
GEORGE PICKERING, TURNING WOOD.



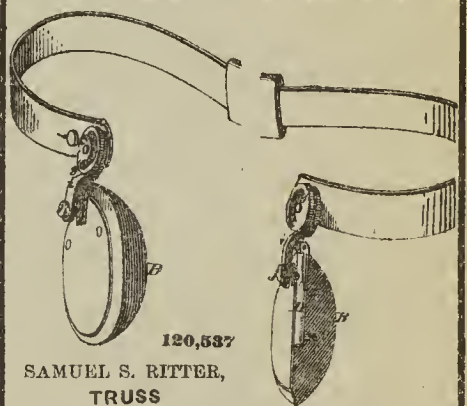
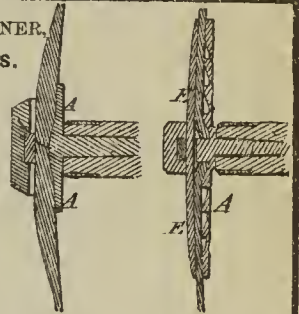
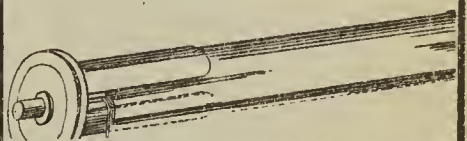
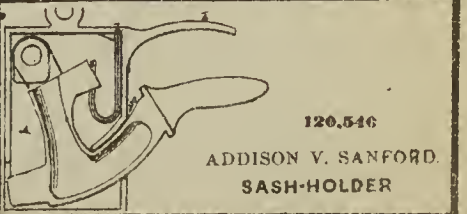
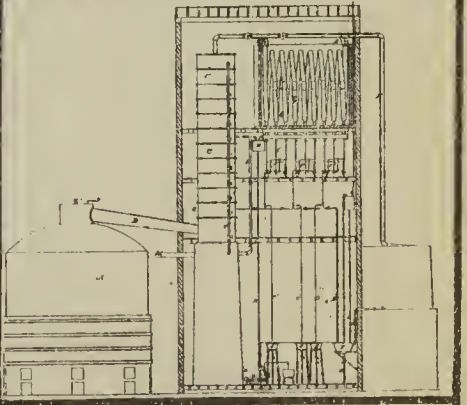
120,533 JOHN POOL, DOOR-CHECKS.

120,535 BETHUEL RANGER,
BRACELET-FASTENINGS.

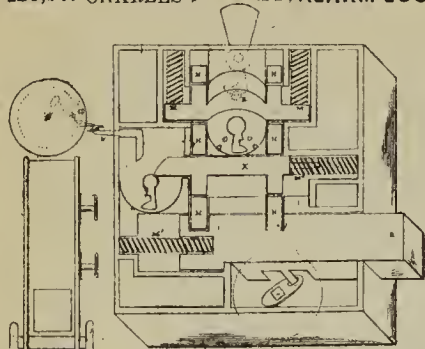
120,534 JOHN A. PRICE, MILK-HOUSE

ALBERT RASNER,
MILL-PICKS.

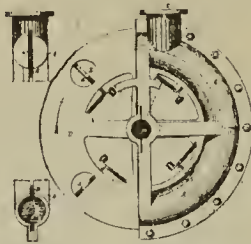
120,536

120,537
SAMUEL S. RITTER,
TRUSS120,538
ANTHONY ROELOFS,
CURTAIN-FIXTURES.120,539 HENRY H. ROGERS,
DISTILLING NAPHTHA AND OTHER HYDROCARBON LIQUIDS120,540
ADDISON V. SANFORD,
SASH-HOLDER

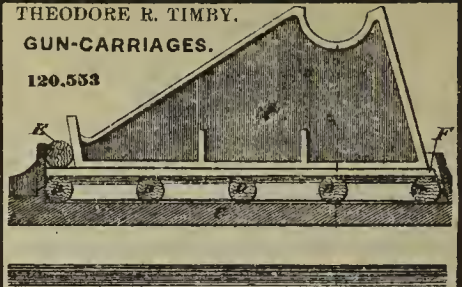
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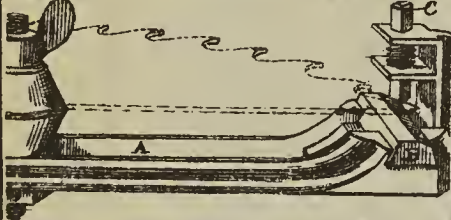
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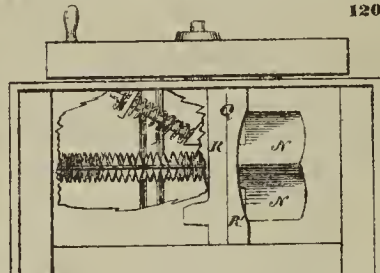
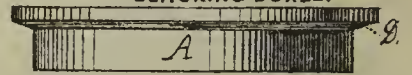


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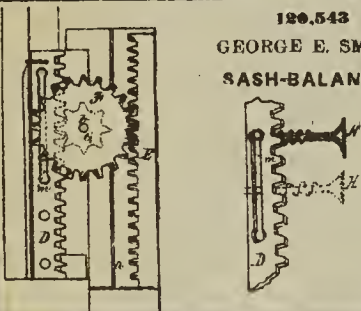


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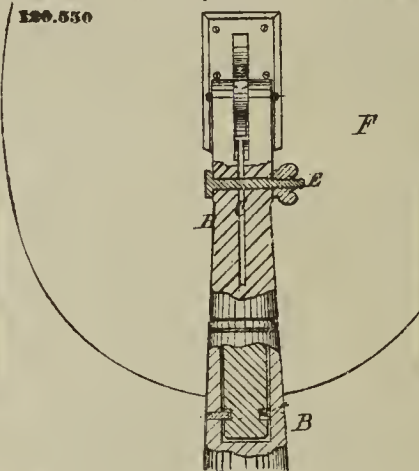
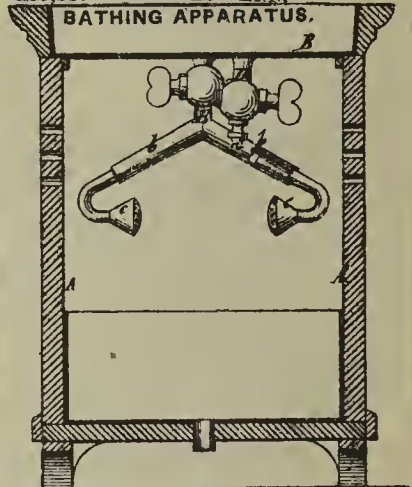
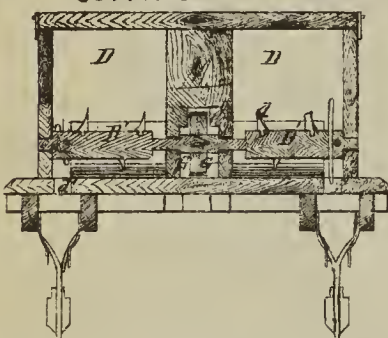
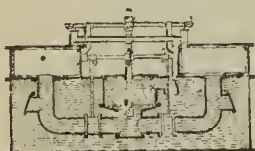
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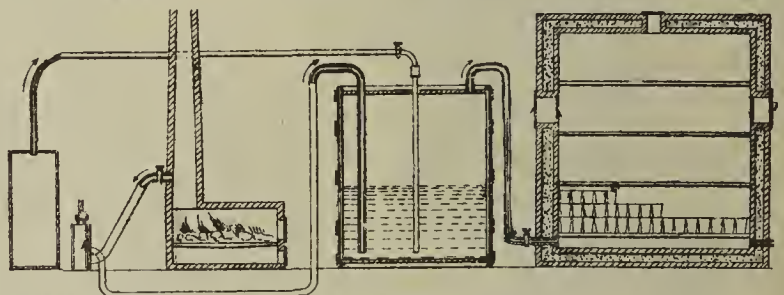
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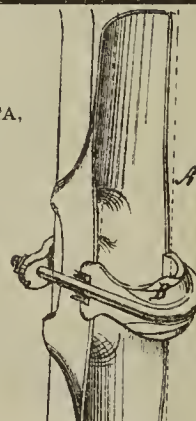
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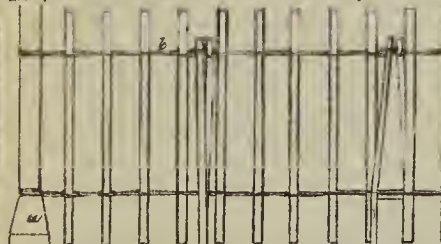
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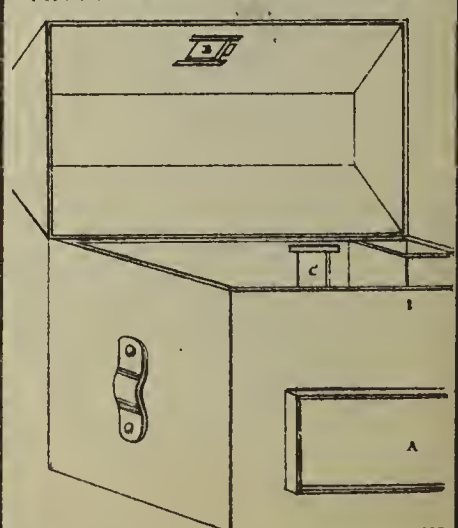
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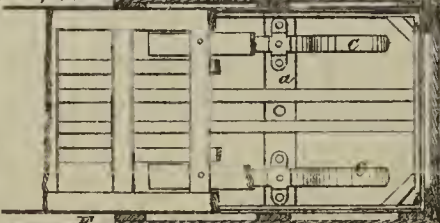


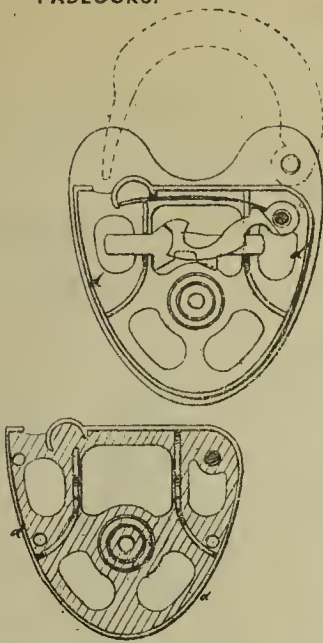
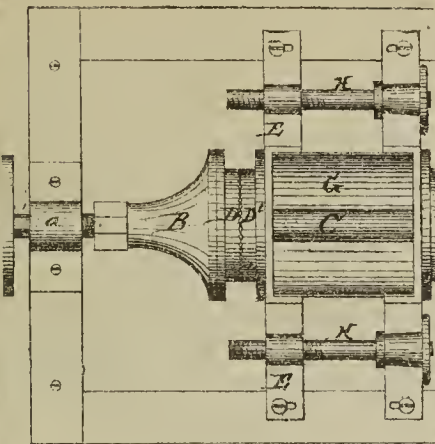
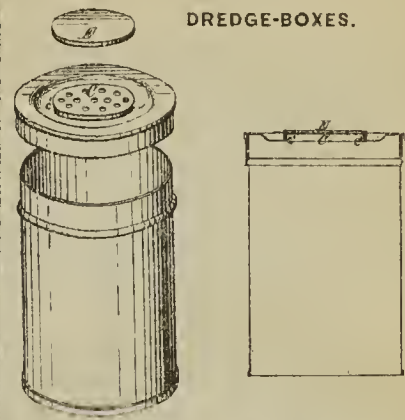
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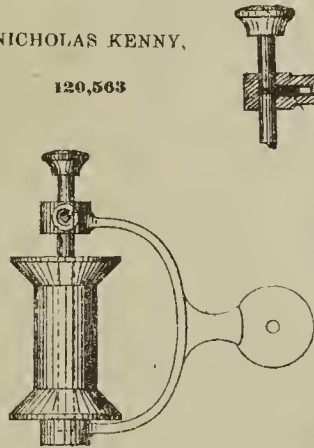
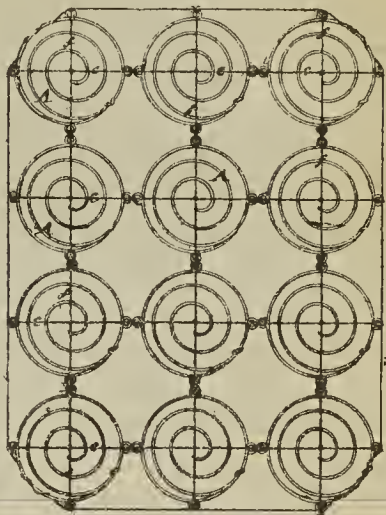
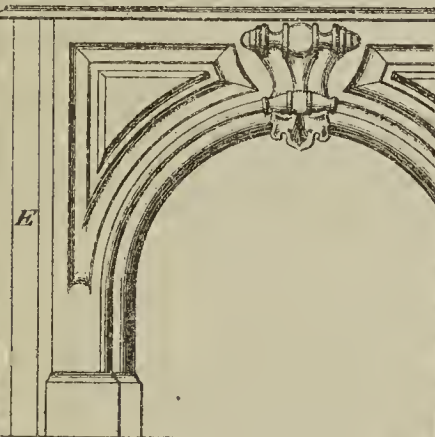
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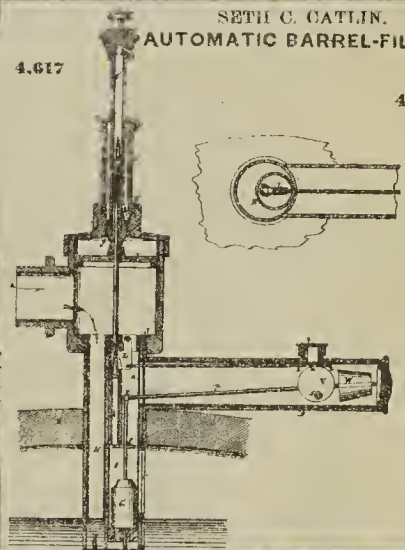
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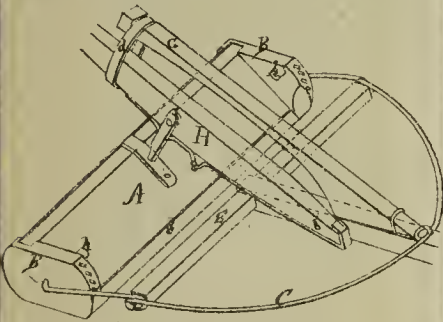
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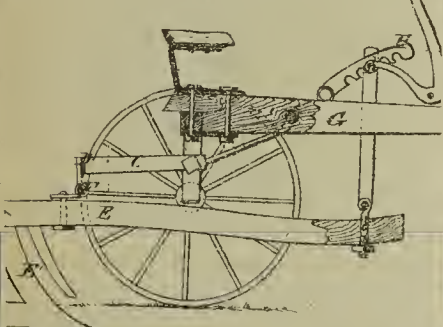
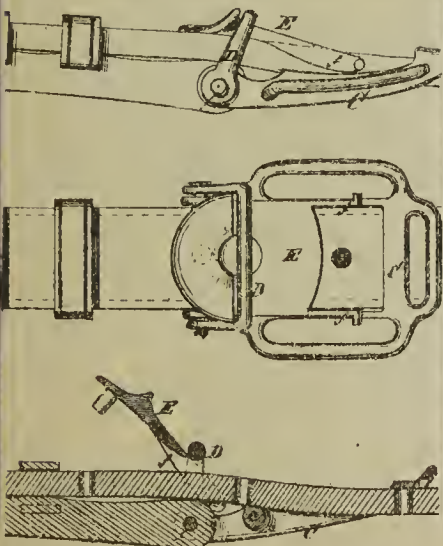
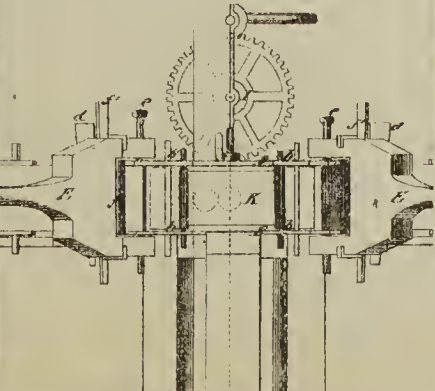
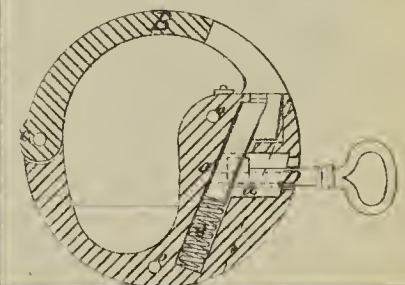
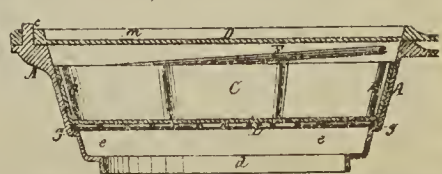
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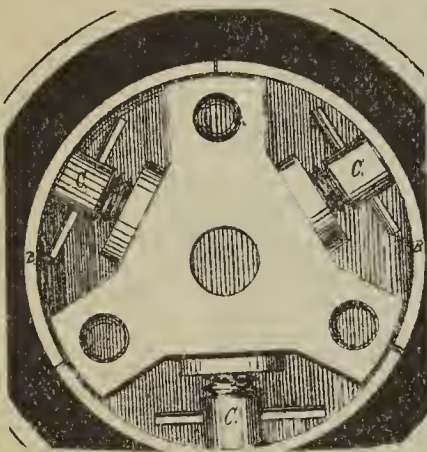
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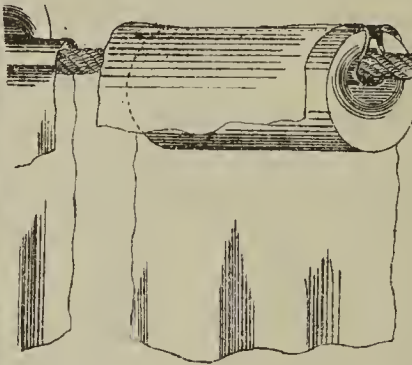
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WOOD-BENDING MACHINE4,620 JOHN H. LYON,
LOCKS AND DETECTERS.4,619 SAMUEL LEE,
GRIDDLE, AND FRYING UTENSIL.

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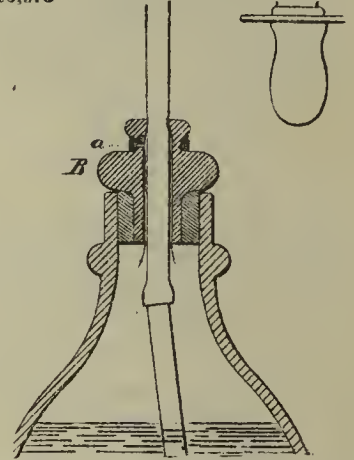
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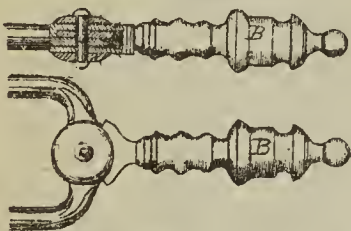
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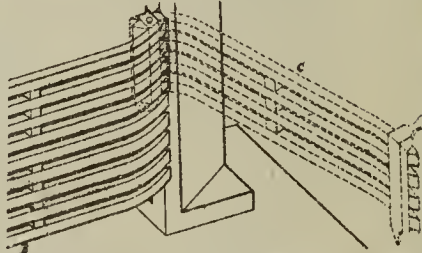
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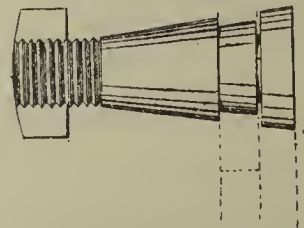
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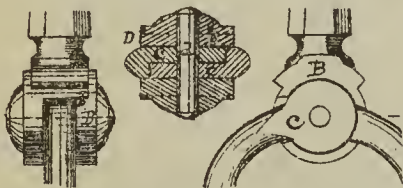
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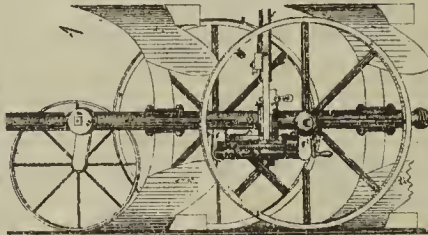
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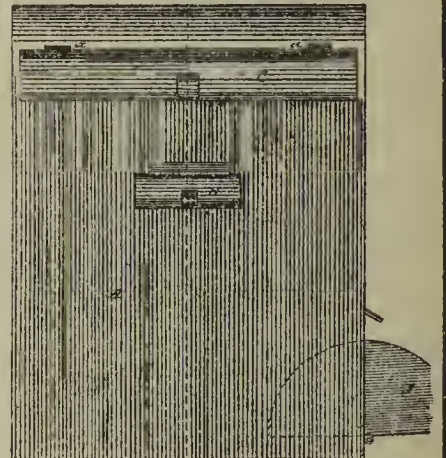
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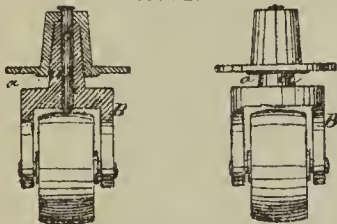
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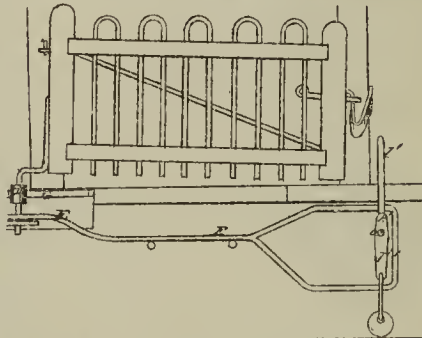
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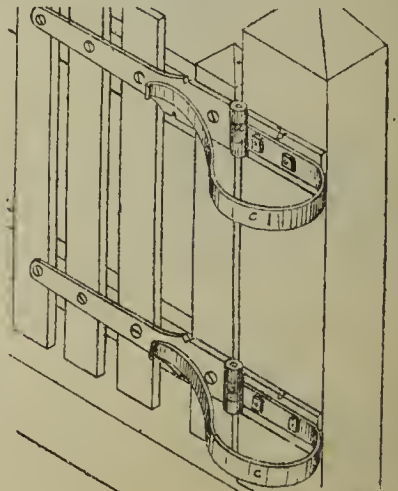
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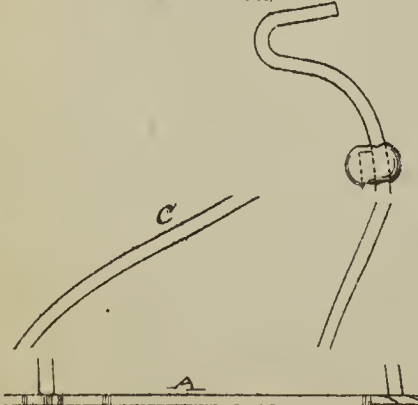
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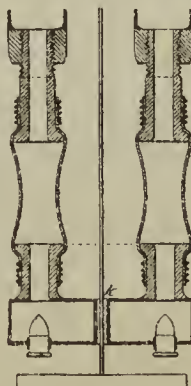
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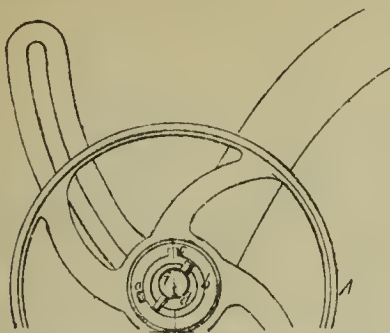
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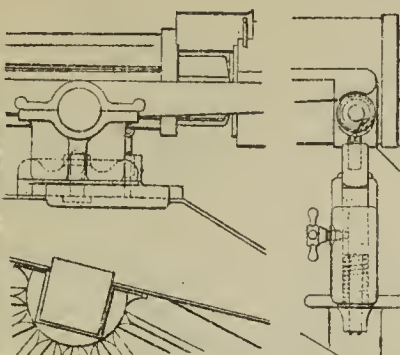
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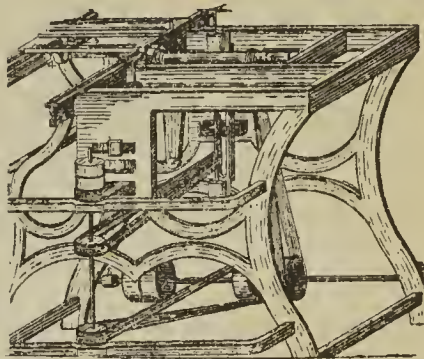
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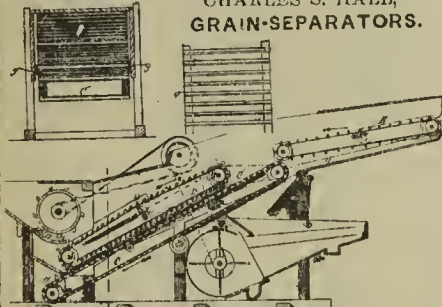
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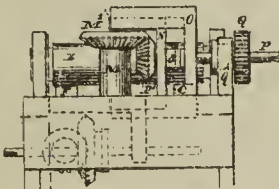
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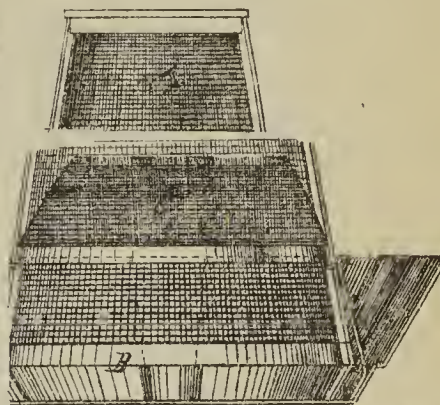
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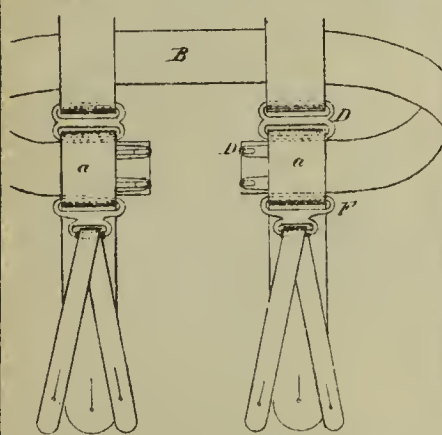
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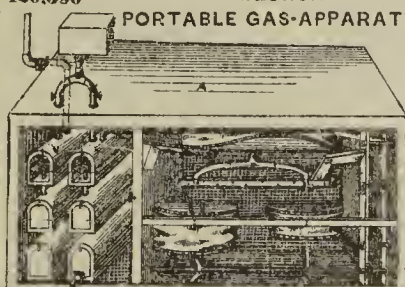
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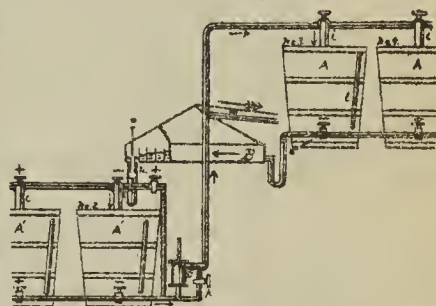
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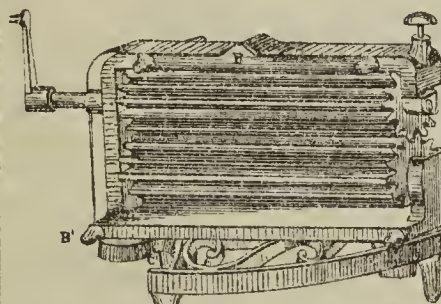
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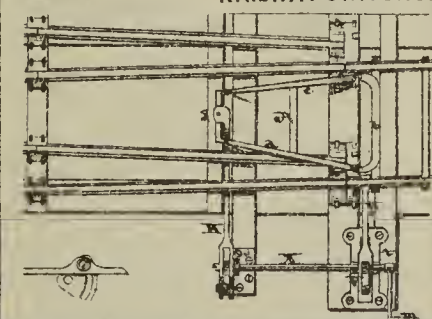
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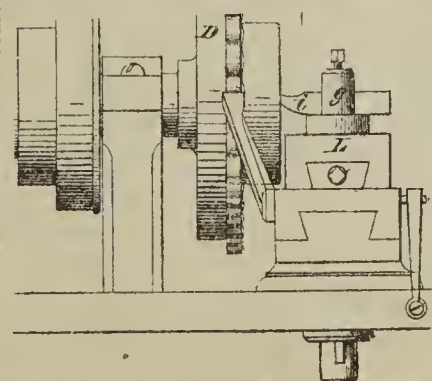
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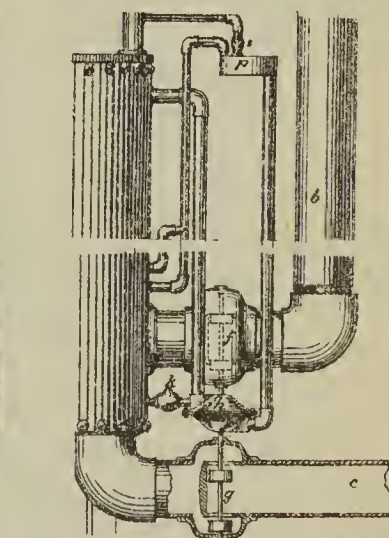
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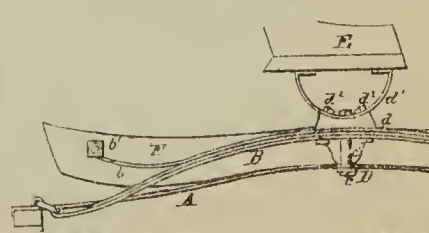
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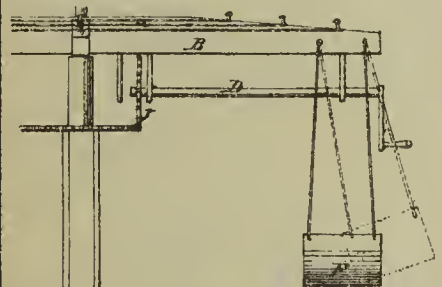
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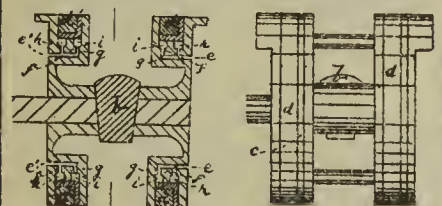
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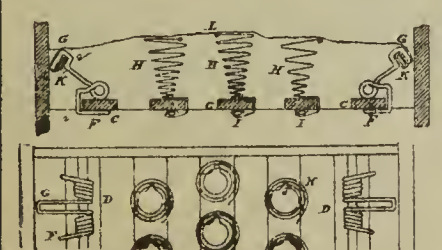
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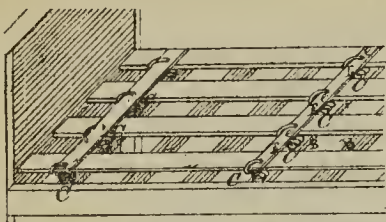
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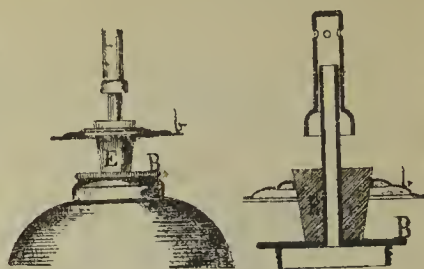
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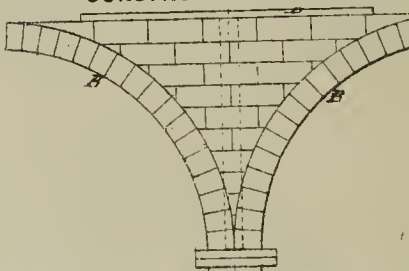
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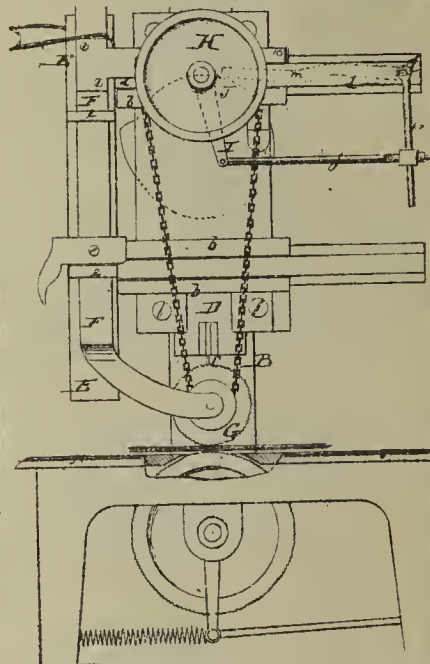
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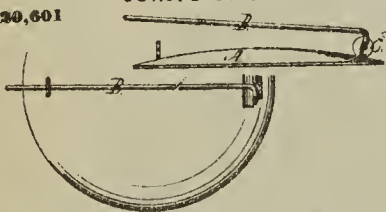
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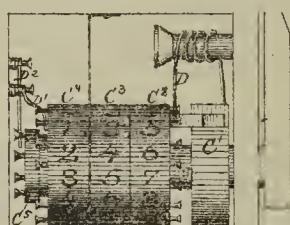
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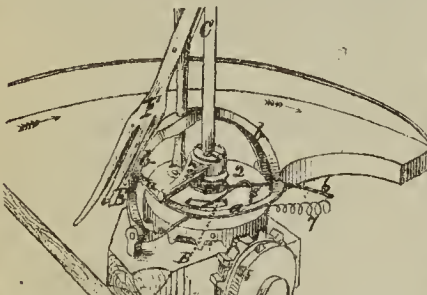
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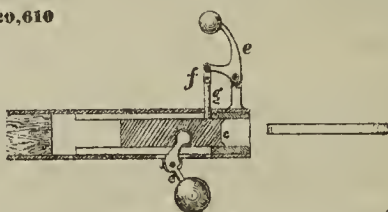
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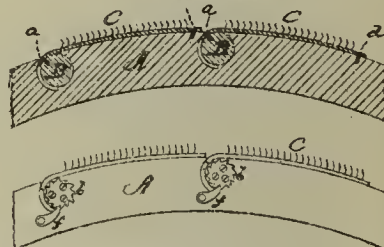
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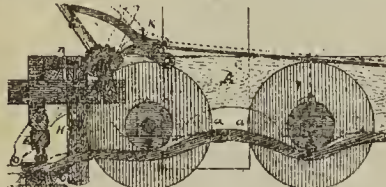
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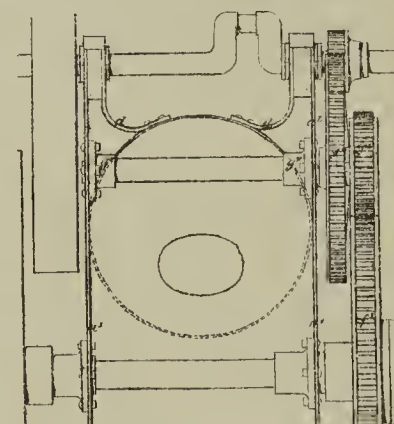
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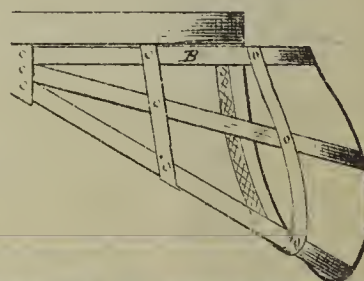
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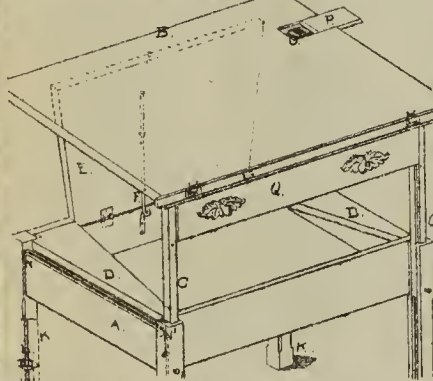
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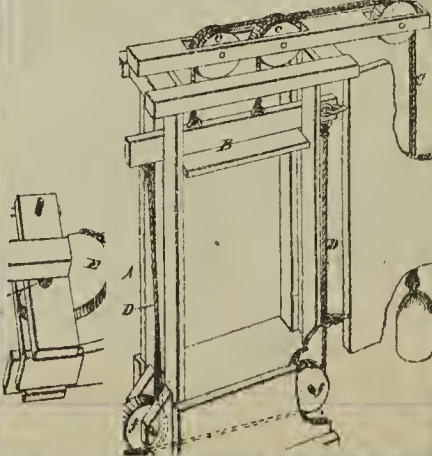
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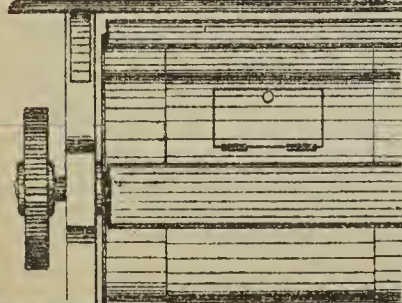
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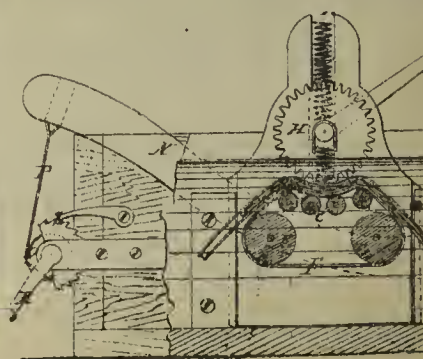
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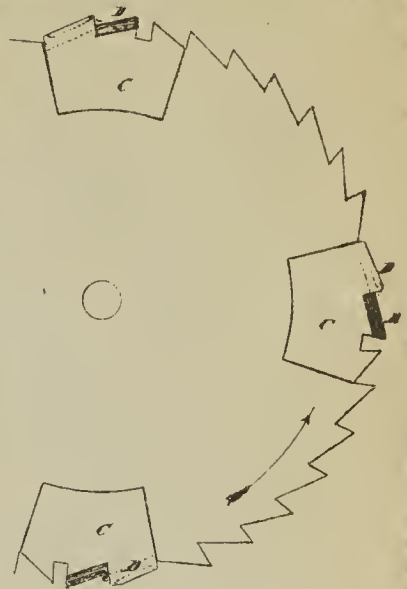
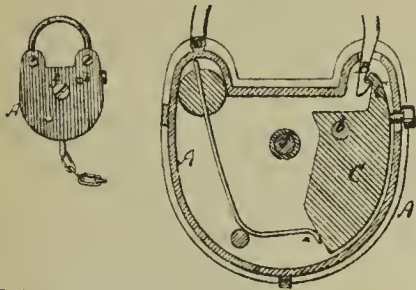
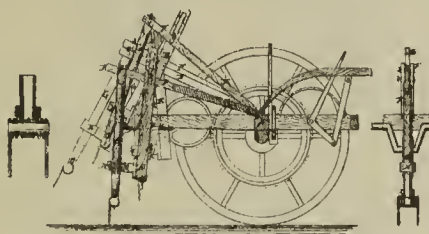
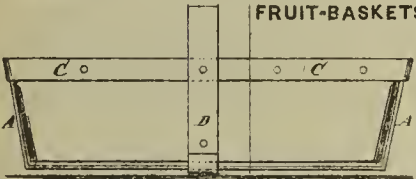
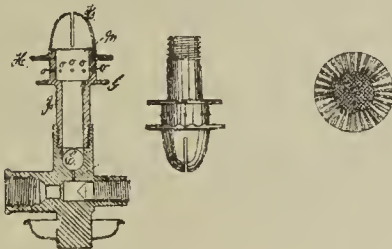
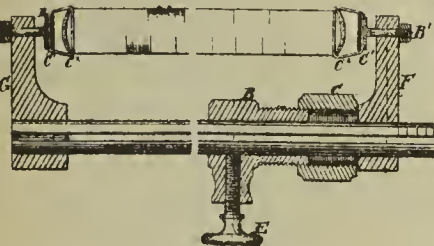
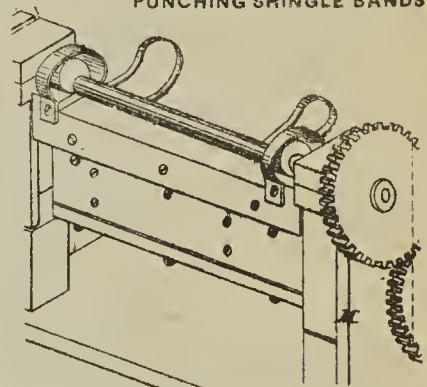
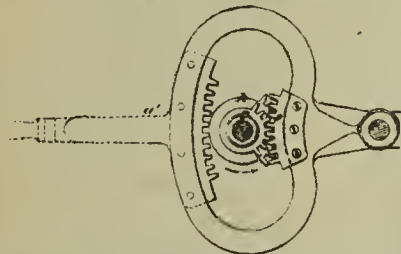
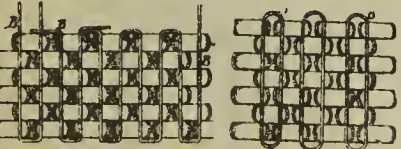
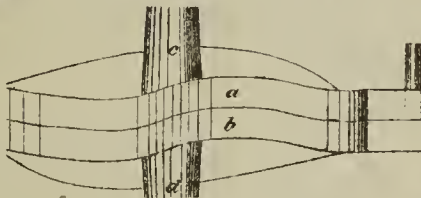
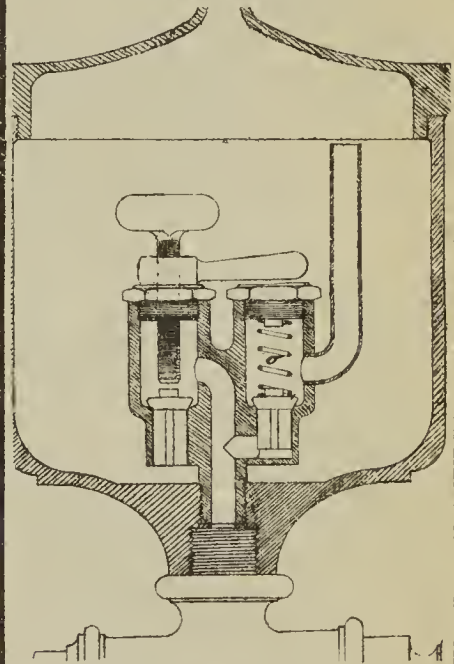
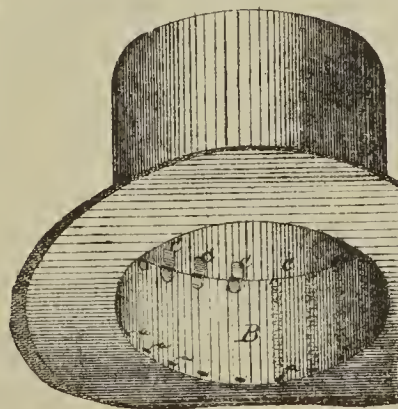
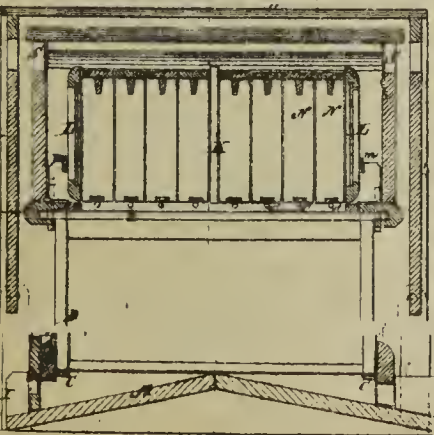
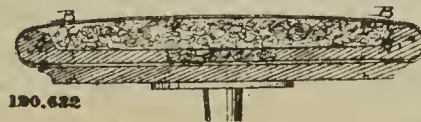
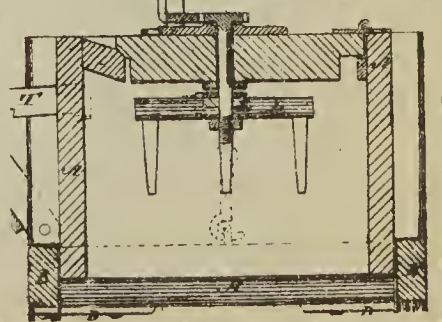
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WATCHMAKERS' TOOLS.

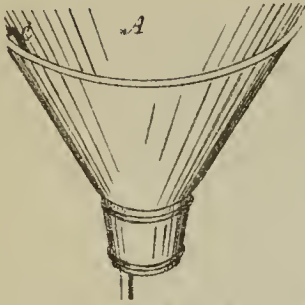
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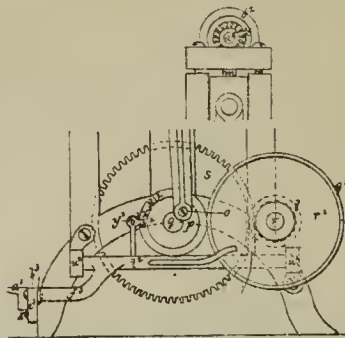
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120,619 LEVI F. CAHN,
CHAIN-LOCKS.120,626 JOHN K. COLLINS,
HAY-TEDDERS.120,620 HENRY CARPENTER,
FRUIT-BASKETS.120,627 JOHN COOK,
VAPOR-BURNERS.BAPTIST EDMÉ CHASSAING,
120,621 MEASURING-SCALES.120,634 EVERITT AND AVERY,
PUNCHING SHINGLE BANDS.120,622 JOSEPH JULIEN CHENAL,
CONVERTING MOTION.120,623 GEORGE W. CLAMPITT,
CHAINS FOR WATCHES, &c.120,628 LOUIS COTÉ,
MAKING BOOT AND SHOE SOLES.CONDENSING STEAM-ENGINES. 120,635
WILLIAM FLETCHER.120,629 WILLIAM DALE,
VENTILATORS FOR HATS AND CAPS.120,624 WILLIAM R. CLARK,
BEE-HIVES.DE DARTEIN AND DE DARTEIN,
METALLIC CARTRIDGES. 120,630FLETCHER W. DICKERMAN,
SEATS FOR CHAIRS AND STOOLS.120,636 JOHN FOX,
WASHING-MACHINES.

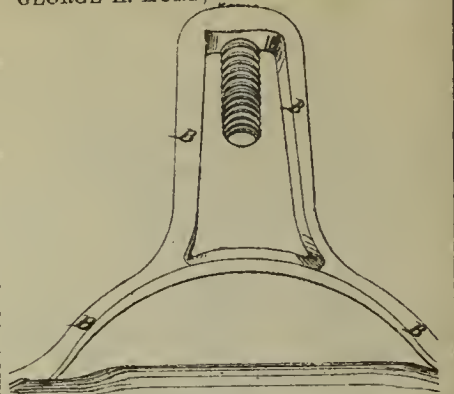
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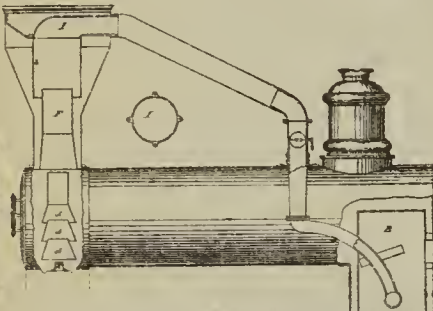
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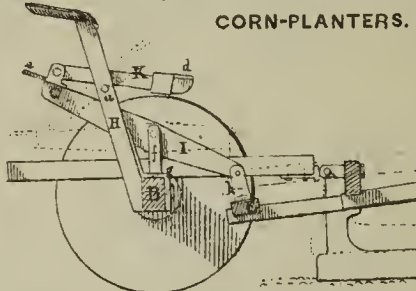
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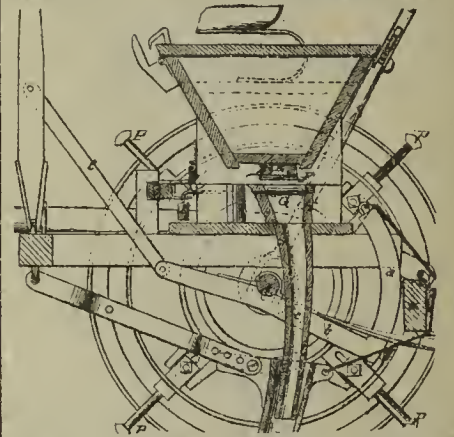
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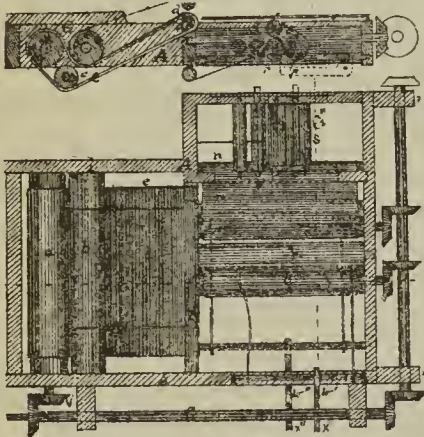
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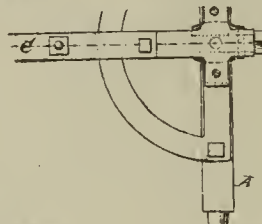
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CORN-PLANTERS.

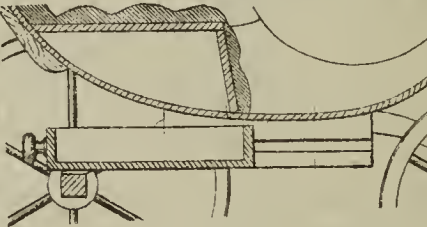
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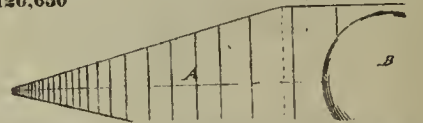
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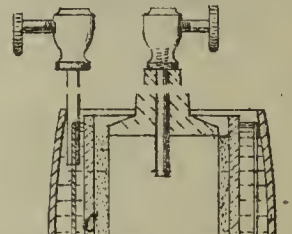
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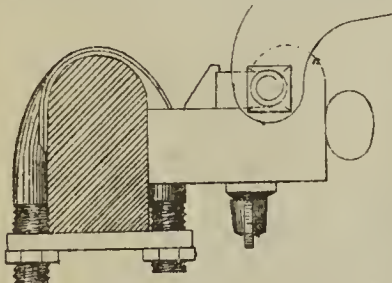
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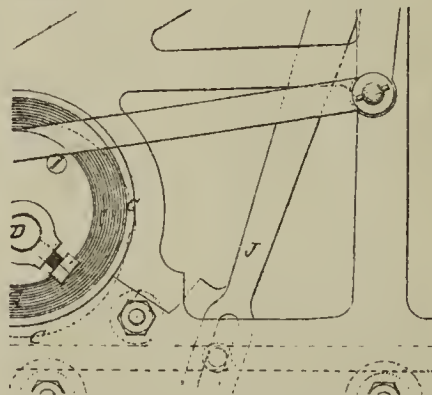
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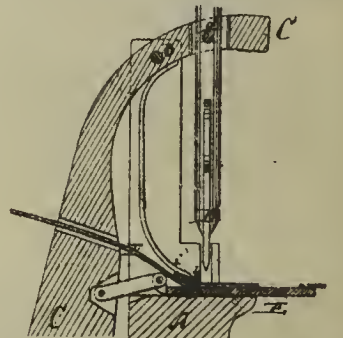
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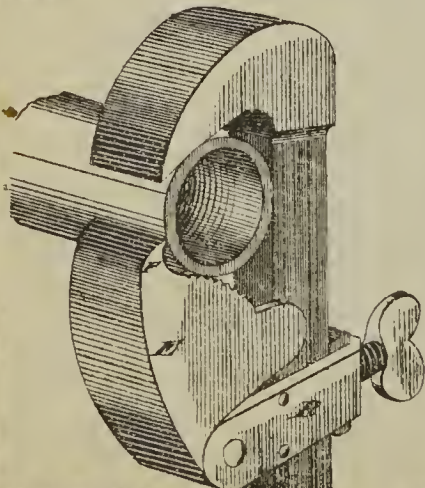
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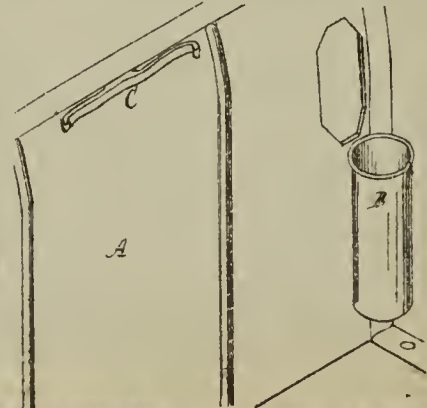
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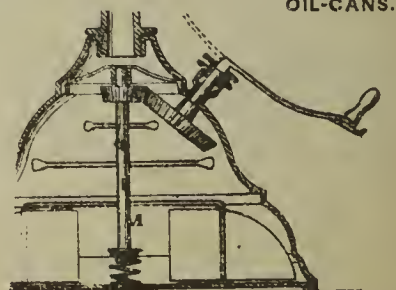
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IRA S. HAMILTON,
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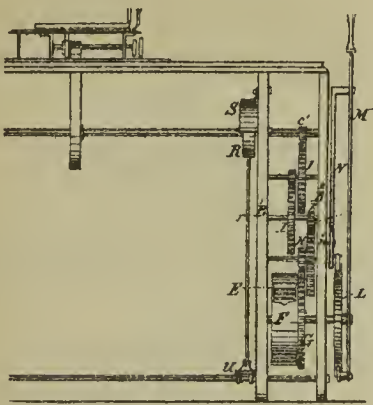
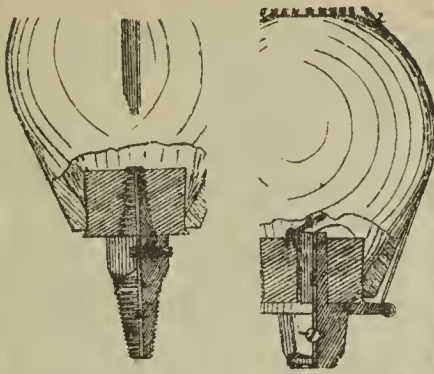
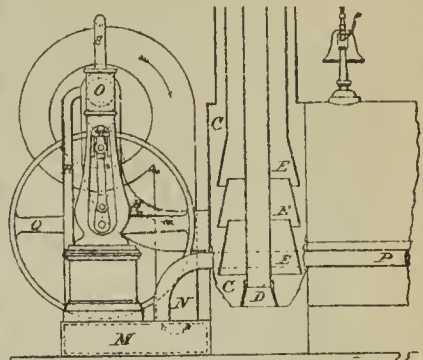
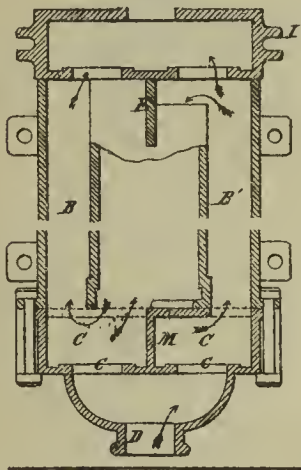
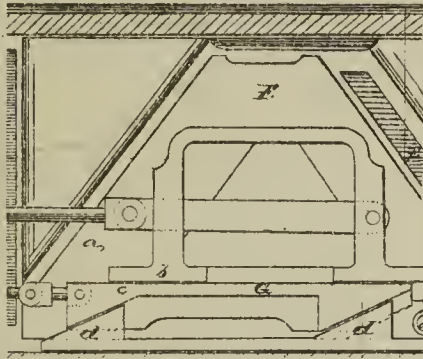
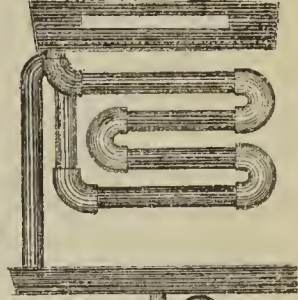
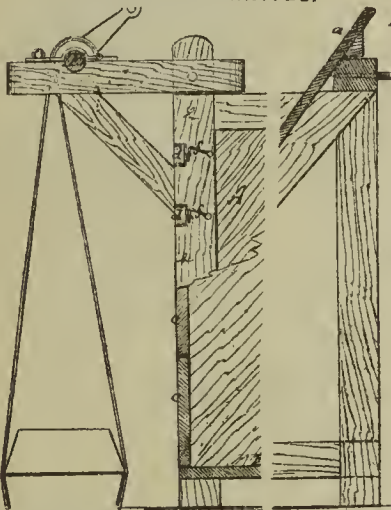
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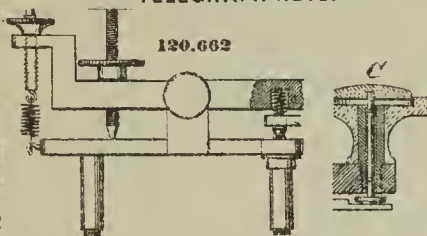
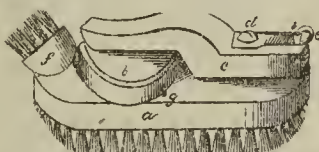
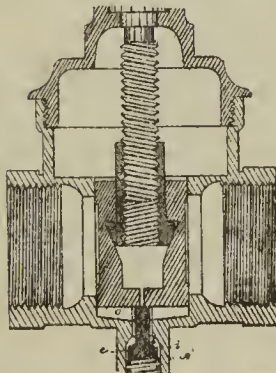
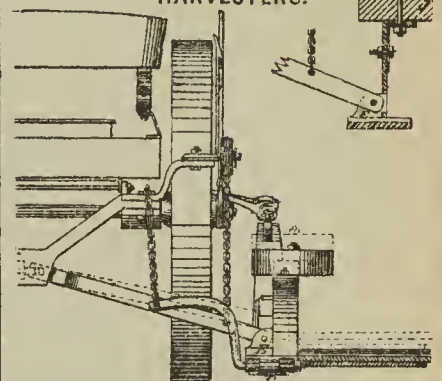
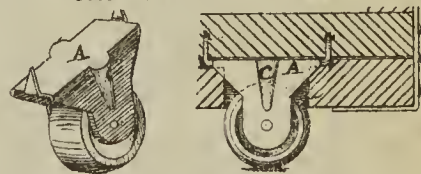
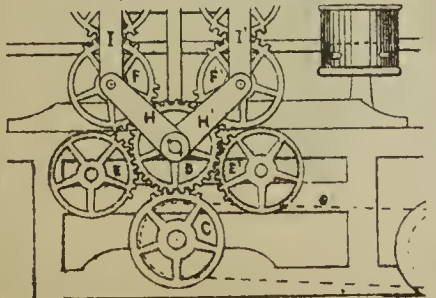
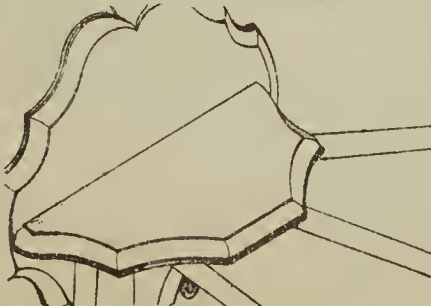
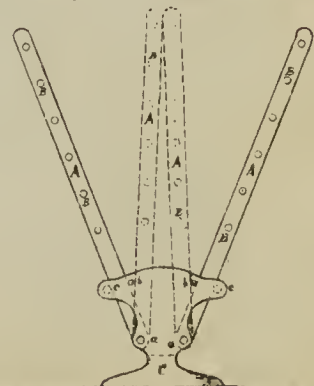
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120,654 GEORGE W. MANSON.

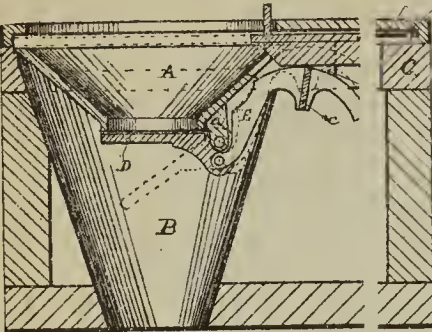
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120,660 DANIEL F. MOSMAN.
LUBRICATORS.120,666 CHARLES F. PIKE.
SPARK ARRESTERS AND CONSUMERS.120,655 JOHN MARQUIS,
PUMPS.120,661 JACOB NEUERT,
STEAM-ENGINES.120,667 CHARLES F. PIKE,
APPARATUS FOR COOLING
AND PRESERVING.120,668 JACOB RADSTON,
STOP-COCKS.120,657 WILLIAM H. MCGAVRAN.
BURIAL APPARATUS.O'SULLIVAN AND O'SULLIVAN,
TELEGRAPH-KEYS.

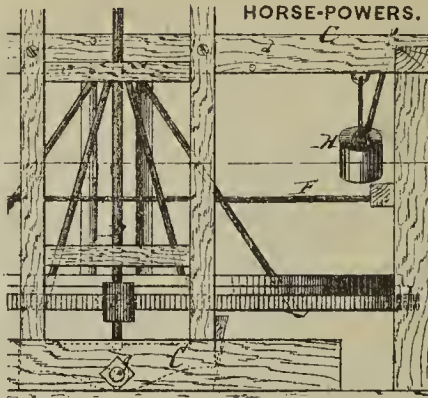
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VALVES.120,660 AMOS RANK,
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CASTERS FOR TRUNKS.120,658 DANIEL McNALLY,
PICKS AND RAMMERS.120,659 THOMAS MOORE.
ENAMELING MOLDINGS.120,665 GEORGE W. PEIRCE,
BRACKETS AND
TOWEL-RACKS COMBINED.120,671 AUGUST G. SCHMIDT,
CLOTHES-RACKS.

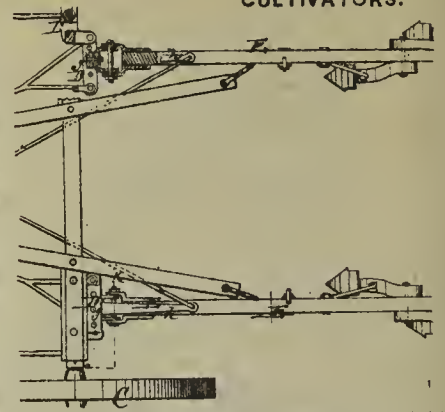
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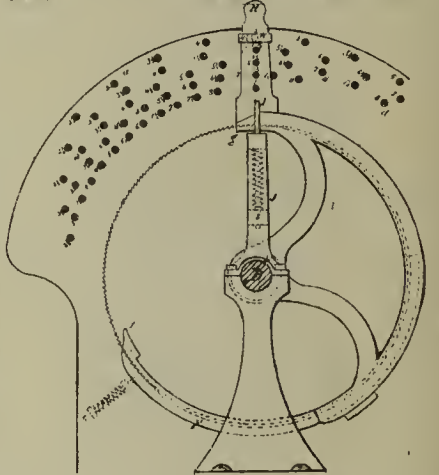
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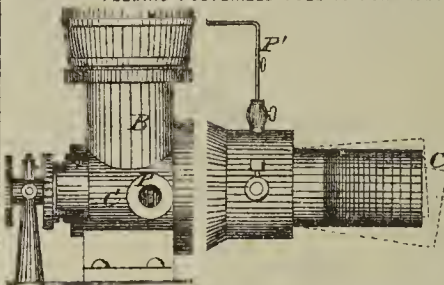
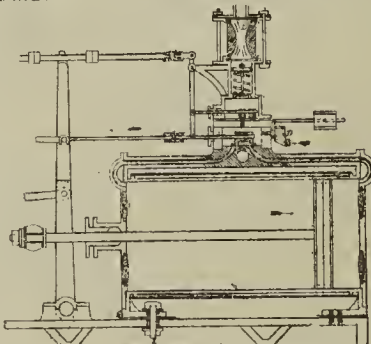
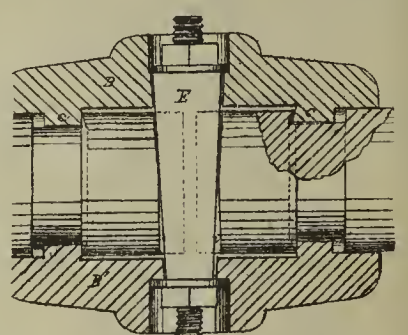
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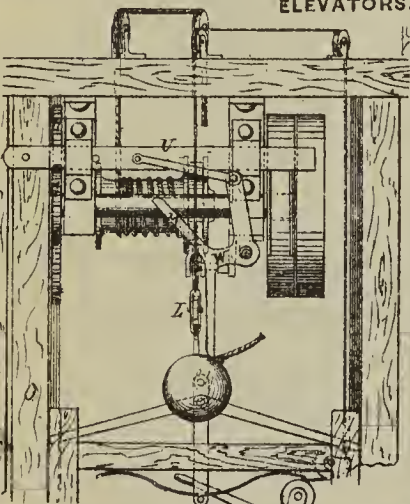
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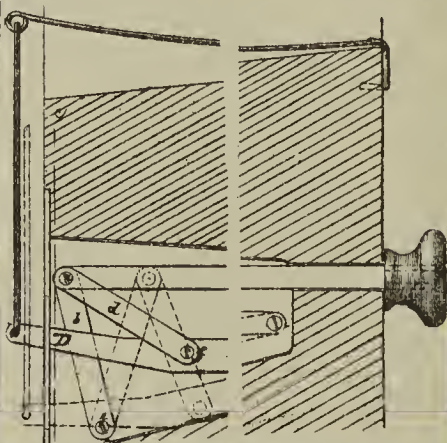
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SPIRIT-LEVELS.120,680 JOHN Y. SMITH,
FEEDING PULVERIZED FUEL TO FURNACES.120,681 WILLIAM MONT STORM,
COMBINED STEAM AND AIR ENGINES.120,686 THOMAS ALDRIDGE WESTON,
SHAFT-COUPINGS.

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ELEVATORS.

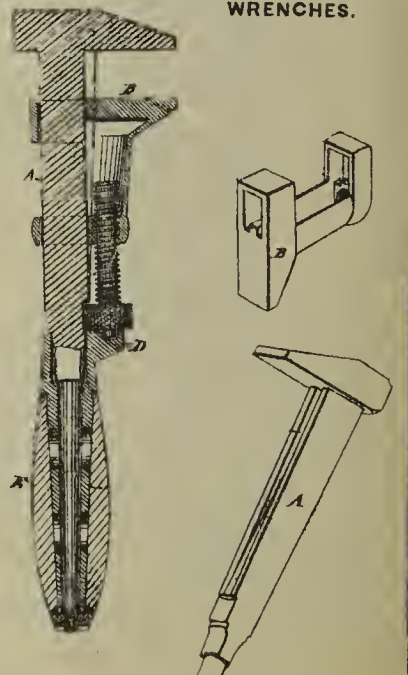
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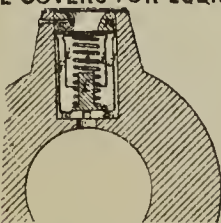
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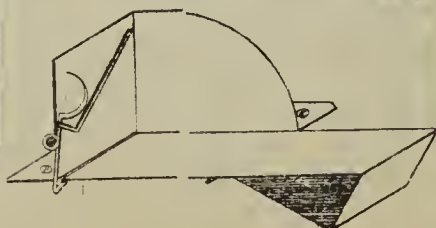
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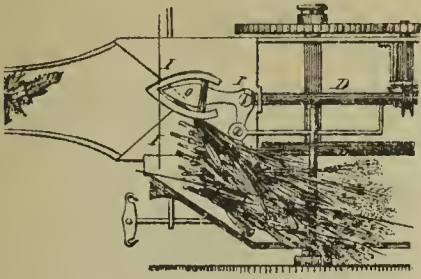
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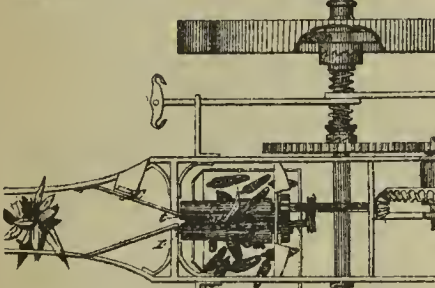
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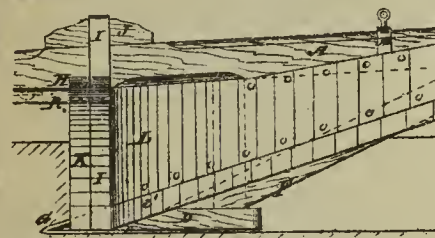
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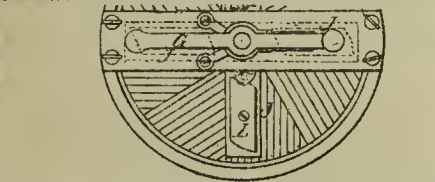
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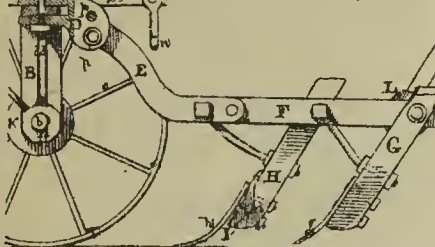
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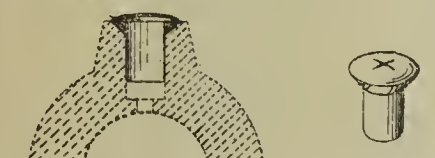
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STEPHEN WILLIAMS AND HENRY McNEILL

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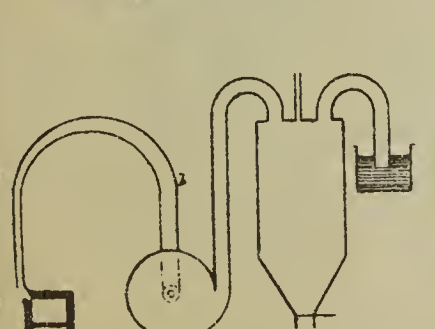
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CULTIVATORS.

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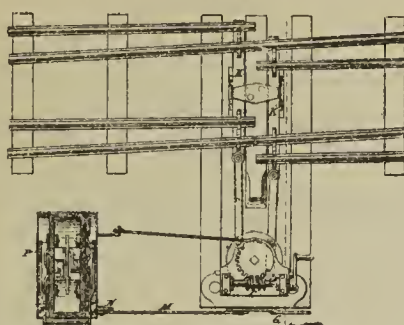
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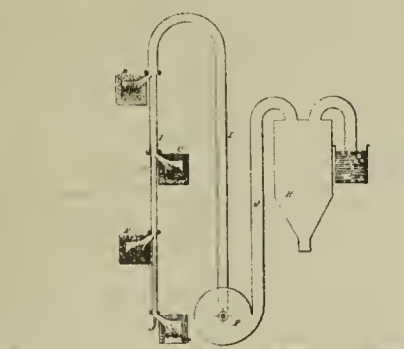
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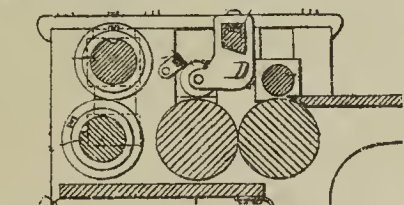
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RAILWAY SWITCHES AND SIGNALS.

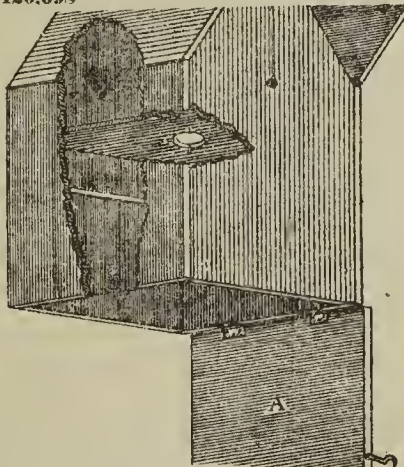
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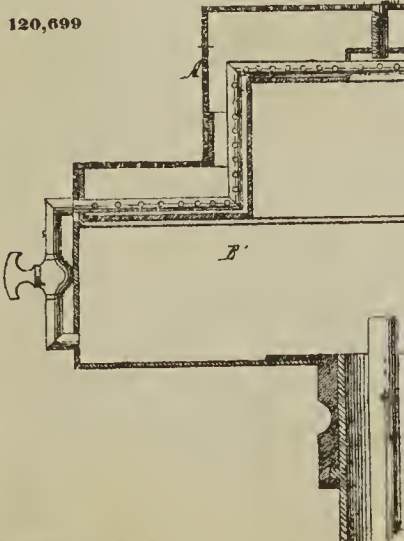
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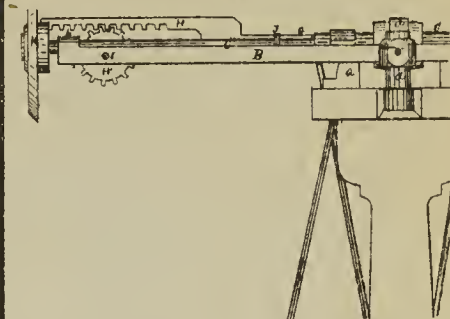
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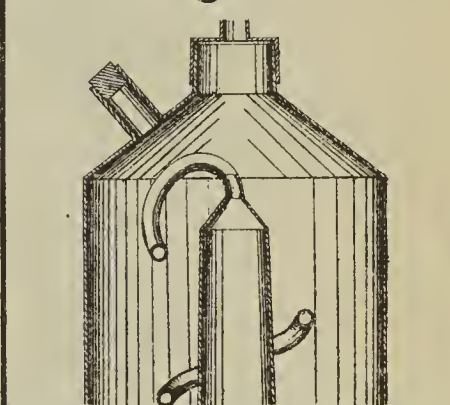
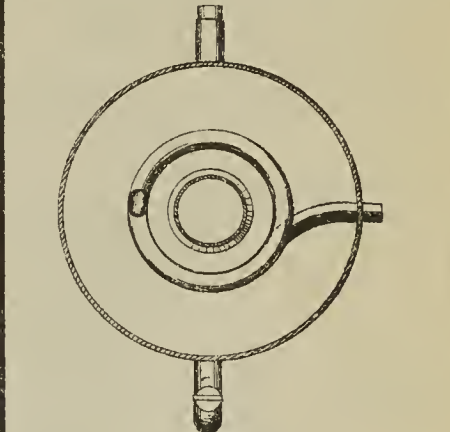
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CHARLES H. BERRY,

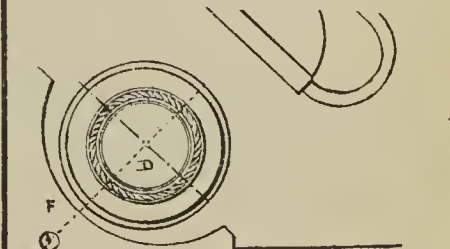
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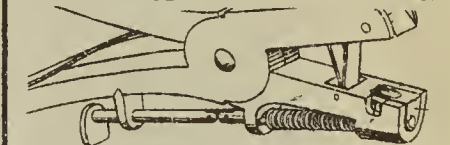
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STILLS FOR SPIRITS.

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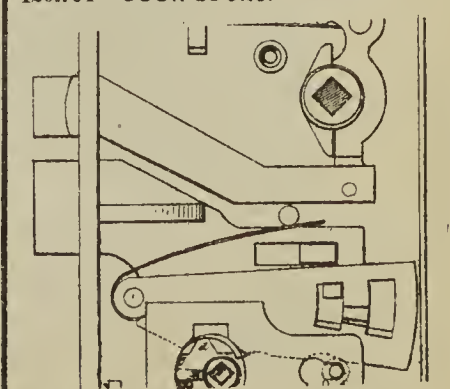
JAREZ A. BOSTWICK,
CAPS FOR OIL-CANS.

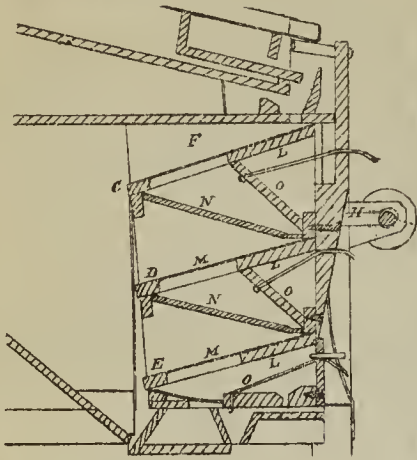
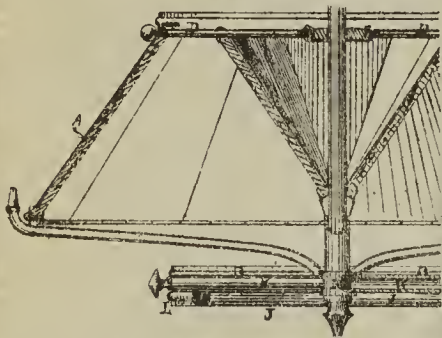
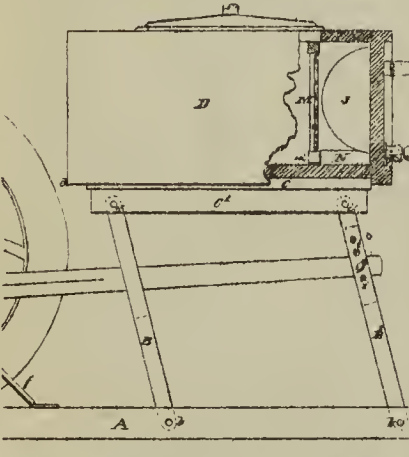
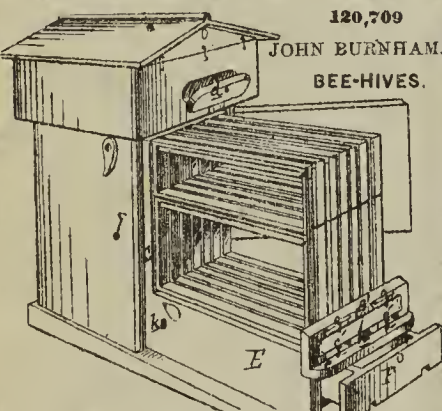
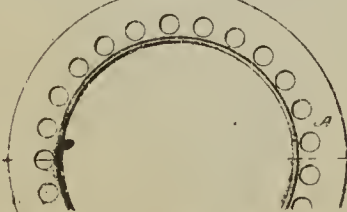
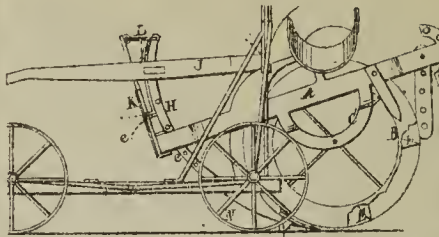
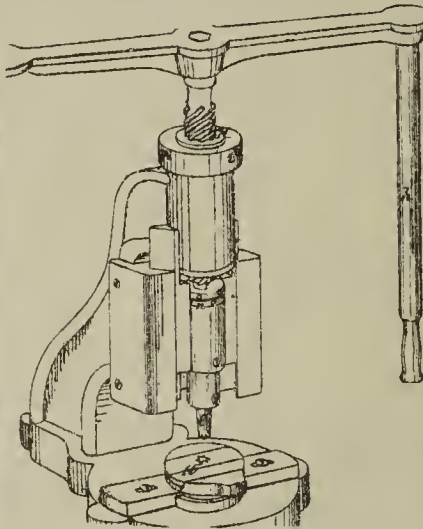
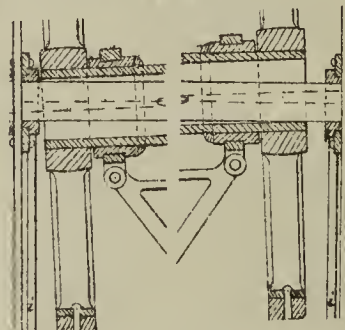
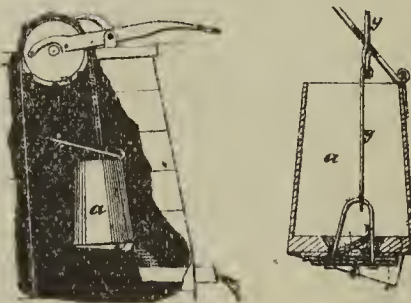
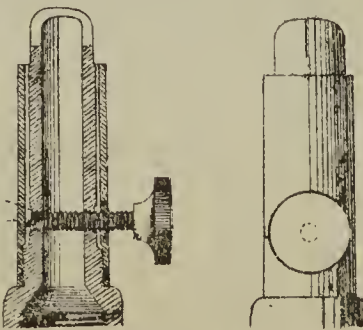
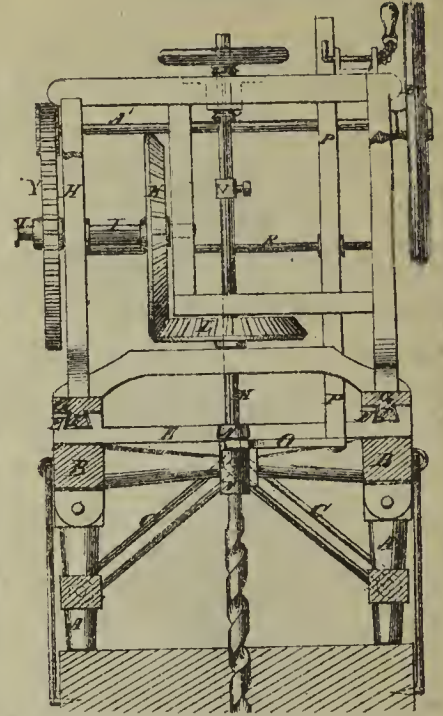
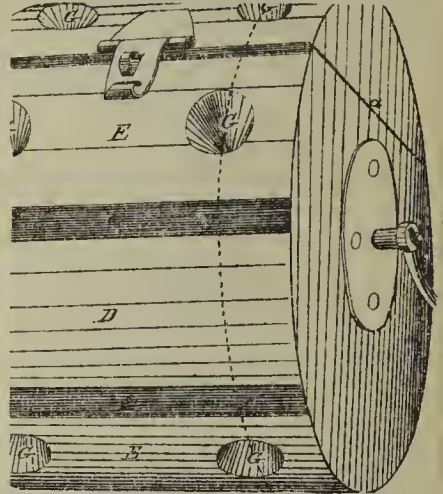
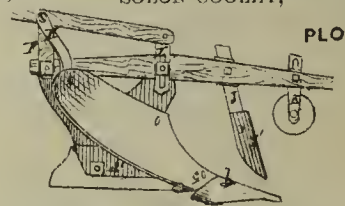
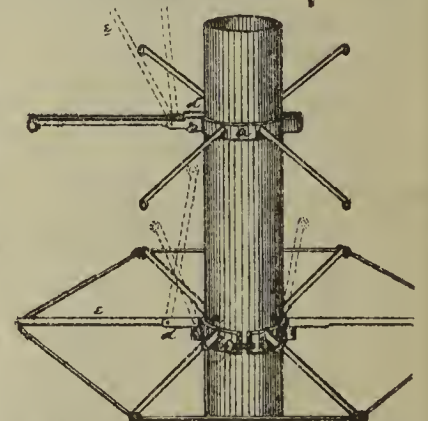
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HORACE C. BRADFORD,
SETTING HOOK-BUTTONS.

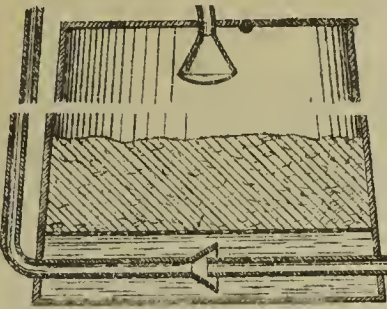
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DOOR-LOCKS. JAMES BRADY.

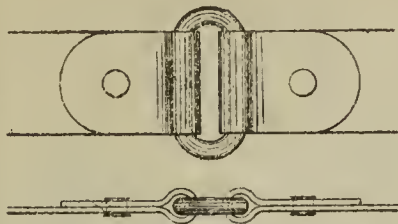


JOHN B. BRENNAN AND WILLIAM TUCKER
120,706 MIDDINGS SEPARATORS.120,707 THOMAS BUCKLEY,
CHANDELIERS.120,708 EZEKIEL W. BULLARD,
OSCILLATING CHURNS.120,709 JOHN BURNHAM,
BEE-HIVES.120,710 CEPHAS A. BUTTLES,
STOVE-PIPE THIMBLES.120,711 HENRY CARTER,
DITCHING-MACHINES.120,712 JAMES H. CLAPP,
SCREW-DIE PRESSES.120,713 JOHN CLARK,
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WATER-ELEVATORS.120,715 THEODORE CLOUGH,
GAS-BURNERS.120,716 GEORGE F. CLUFF,
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CLOTHES-DRIERS.SAMUEL D. CRAFT, 120,720
CARRIAGE-WHEELS.

120,721. MATJAS CZINER.
TREATING INDIAN CORN WITH MALT



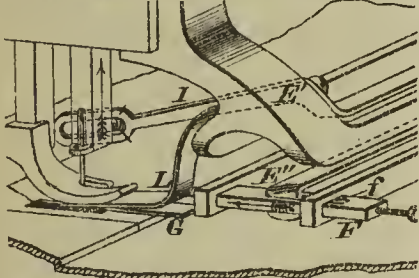
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BANDS FOR BALING COTTON,



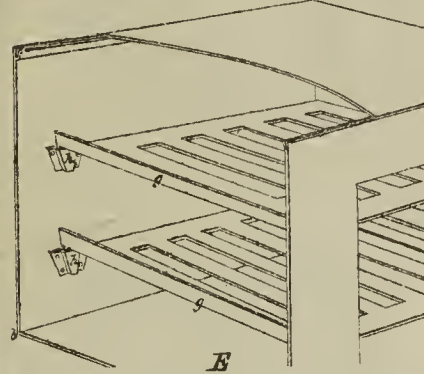
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GRATE-BARS.



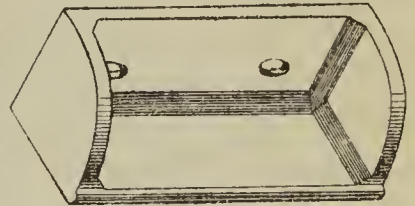
120,722 GEORGE W. DARBY,
ATTACHMENTS FOR SEWING-MACHINES.



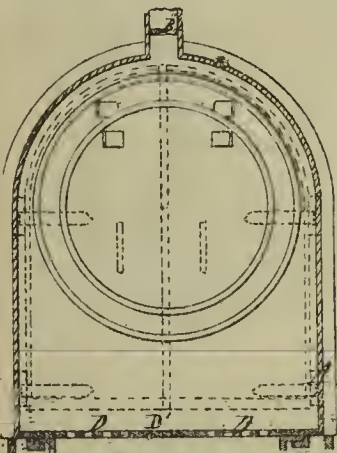
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COOKING-STOVES.



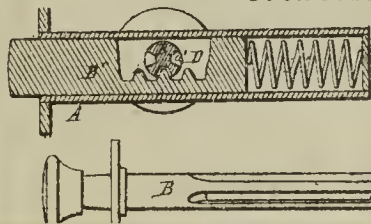
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SLAT-HOLDERS FOR BEDSTEDS.



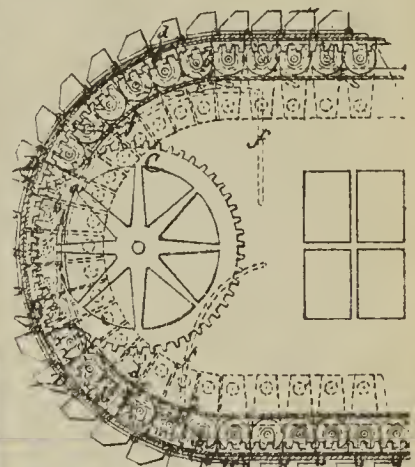
120,723 JAMES DEGREE,
FURNACES FOR HEATING TIRES.



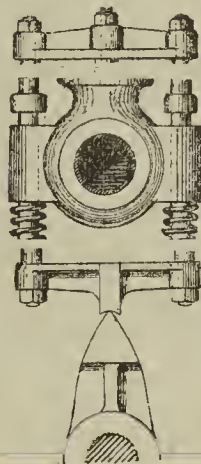
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DOOR-BOLTS.



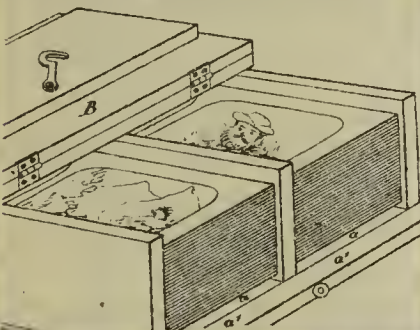
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PROPULSION OF VESSELS.



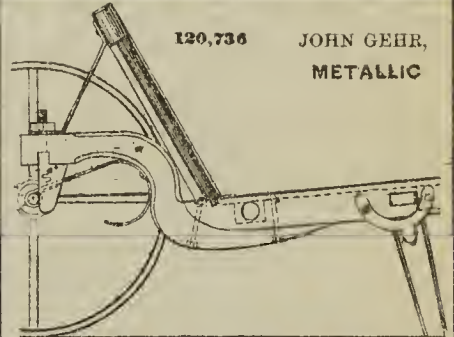
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DEVICES FOR ARRESTING MOTION.



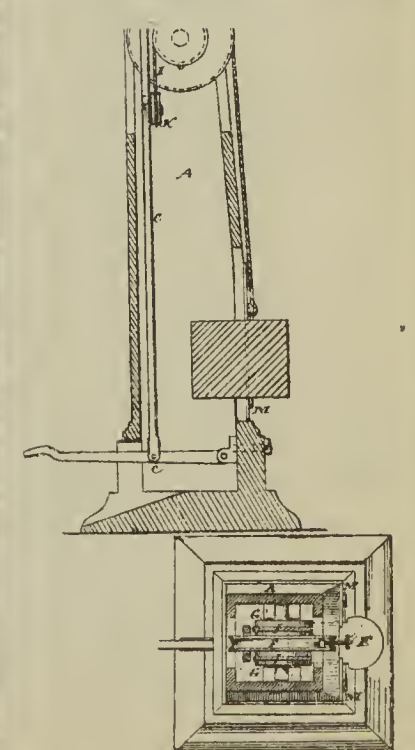
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HOLDERS FOR STEREOSCOPIC PICTURES



120,736 JOHN GEHR,
METALLIC



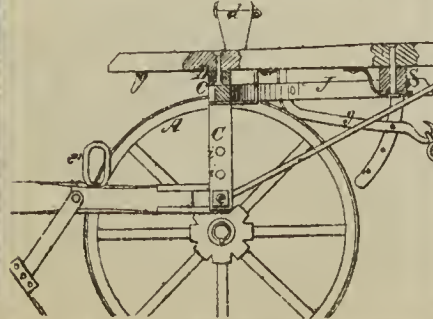
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MORTISING-MACHINES.



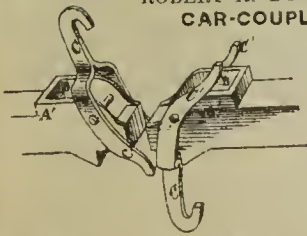
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SHUTTLES FOR SEWING-MACHINES.



120,732 JOHN FANING AND FRIEDRICH LEGLER,
CULTIVATORS.



120,726 ROBERT H. DOWLING,
CAR-COUPPLINGS.

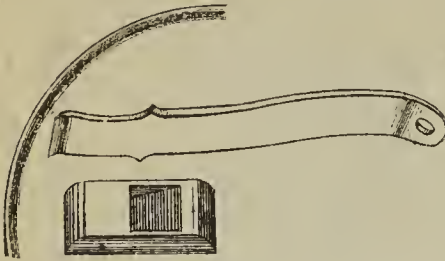


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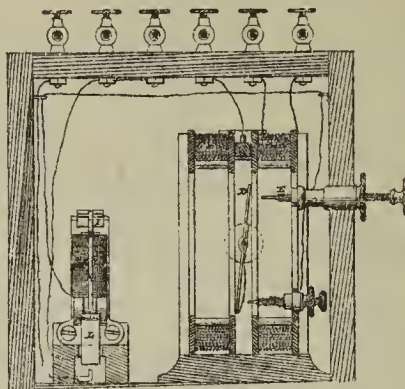
ILLUSTRATIONS OF PATENTS

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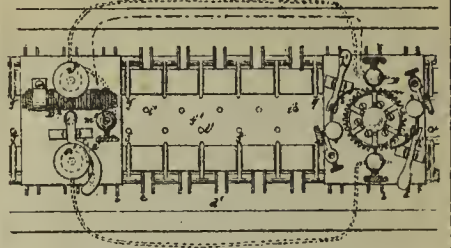
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ROBERT C. GRAVES.
STOVE-LIDS.

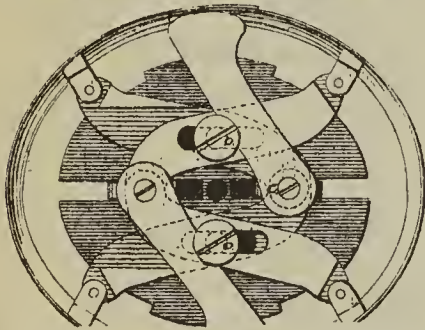
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EDWIN HOLMES.
CIRCUIT-CLOSERS FOR ELECTRICAL
BURGLAR-ALARMS AND SIGNALS.

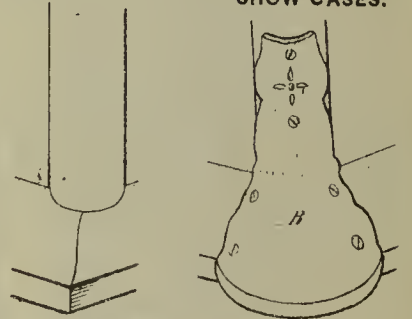
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JEROME KIDDER,
BATTERY-CURRENT MANIPULATORS.

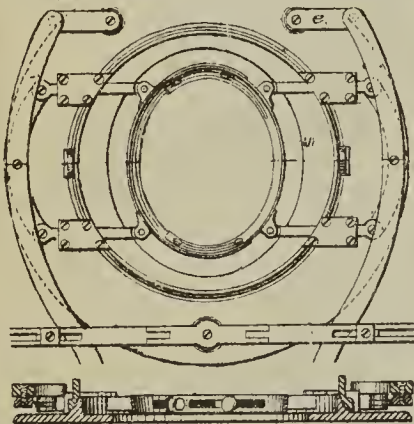
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WILLIAM C. GRISWOLD,
CROWN-BLOCKS FOR HAT-BLOCKING MACHINES.

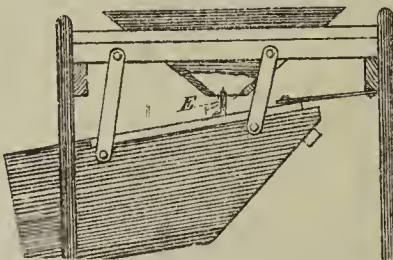
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WILLIAM HENRY GROVE,
SHOW-CASES.

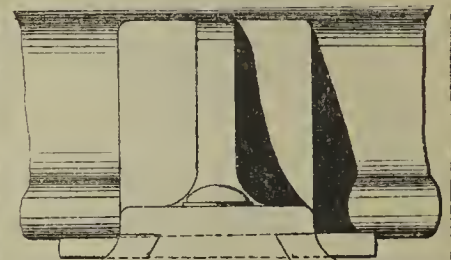
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GEORGE HAYDEN,
BANDING-RINGS FOR HAT-BLOCKING MACHINES.

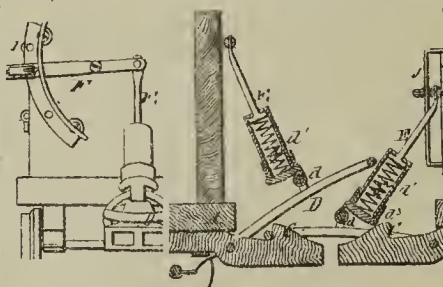
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CHARLOTTE AYER HUTCHINS,
FANNING-MILLS.

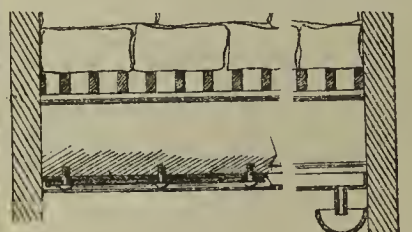
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JOHN LIDDERD,
RAILWAY CHAIRS.

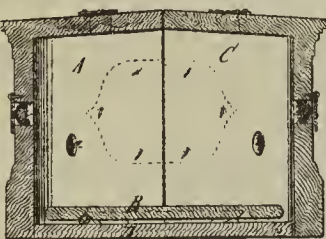
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RAILWAY CAR-COUPPLINGS.

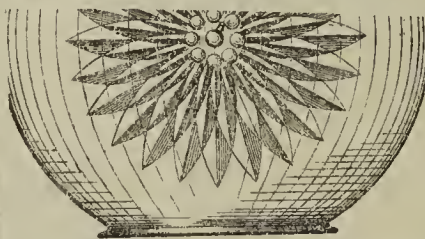
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CHARLES LIERMANN,
ICE-HOUSES.

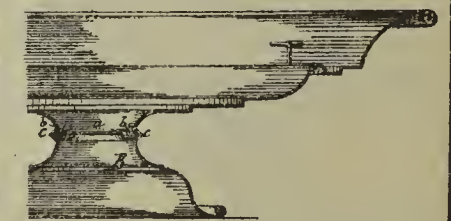
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JOHN JEFFERS HECOX,
CHEESE-BOXES.

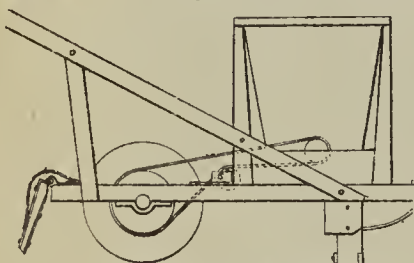
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GEORGE M. IRWIN,
GLASS GLOBES FOR LAMPS.

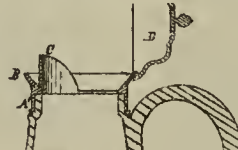
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OTTO LINDEMANN,
BOTTOMS OF BIRD-CAGES.

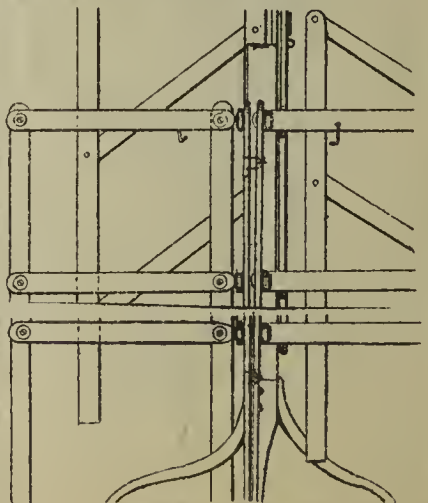
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RICHARD G. HOBSON,
COTTON-PLANTERS.

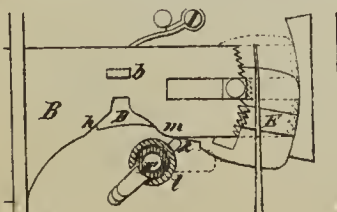
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GEORGE M. IRWIN,
TOPS FOR MOLASSES-PITCHERS.

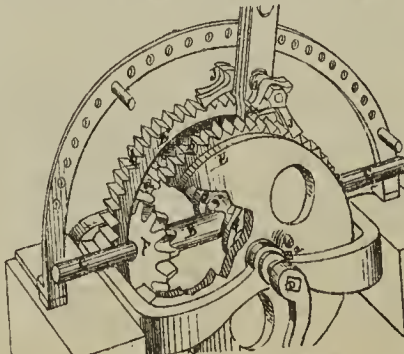
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HAYDEN J. LOCKWOOD,
CLOTHES-DRIERS.

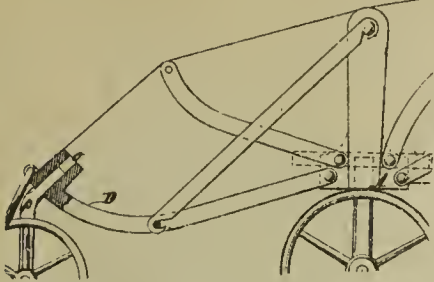
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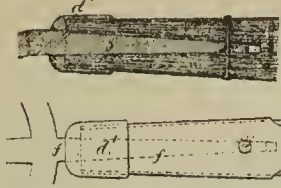
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WILLIAM S. JENKS,
HEAD-BLOCKS FOR SAW-MILLS.

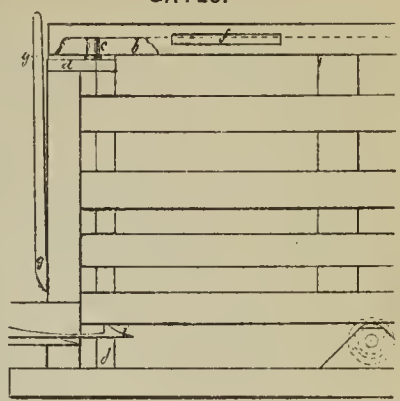
HERMAN LUTZ. 120,757
FOLDING CARRIAGES FOR CHILDREN.



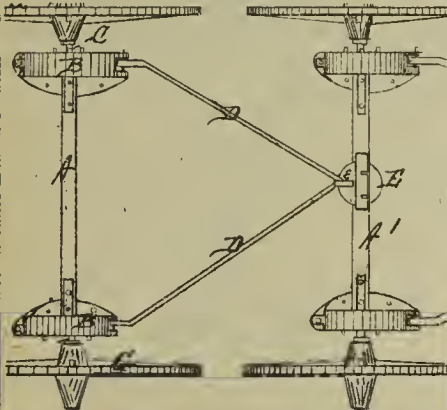
120,763 DANIEL MOORE,
FERRULES.



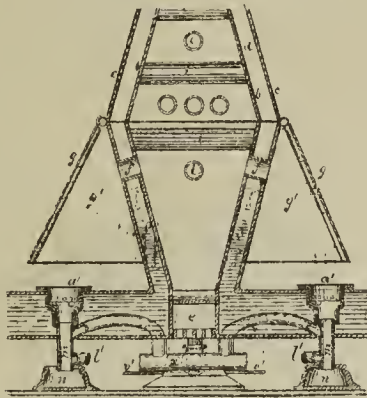
120,770 WILLIAM A. PENNEY
GATES.



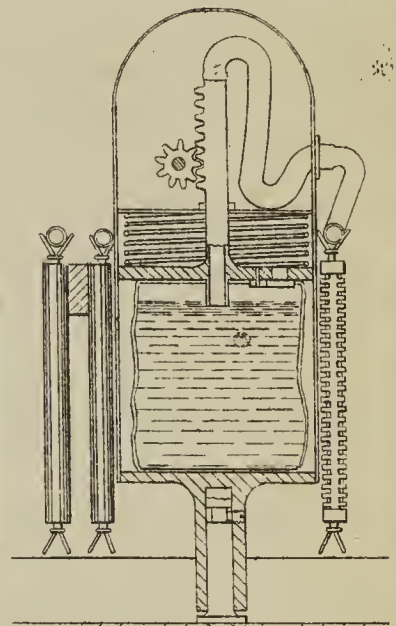
120,758 DANIEL MATER, JR.,
WAGONS.



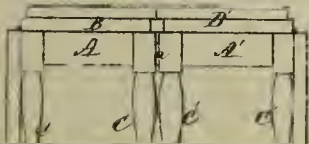
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GAS-FURNACES AND FORGES.



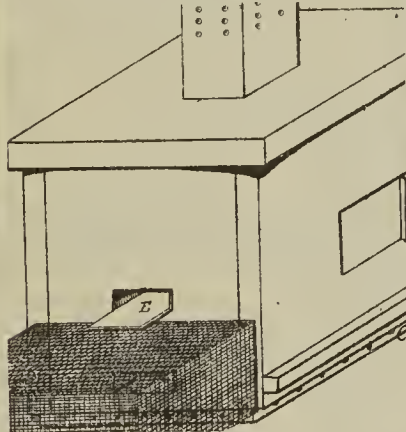
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ELECTRO-GALVANIC CHAINS, BANDS.



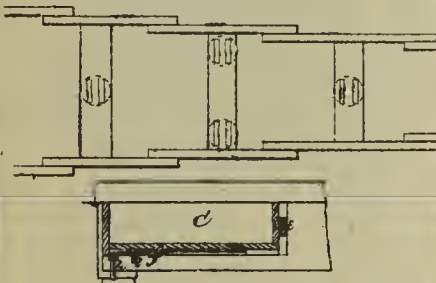
120,759 LOUIS MENZER. TABLES.



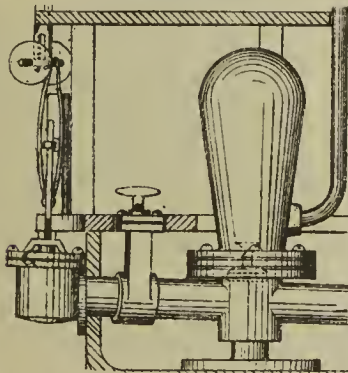
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BEE-HIVES.



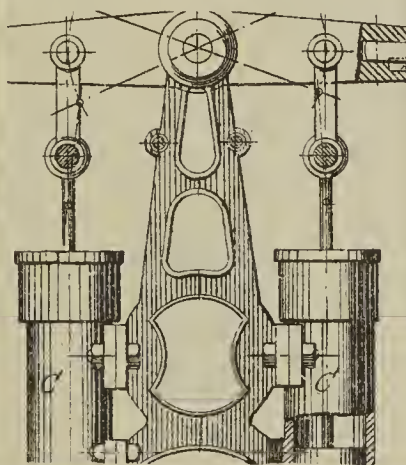
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EXTENSION-TABLES.



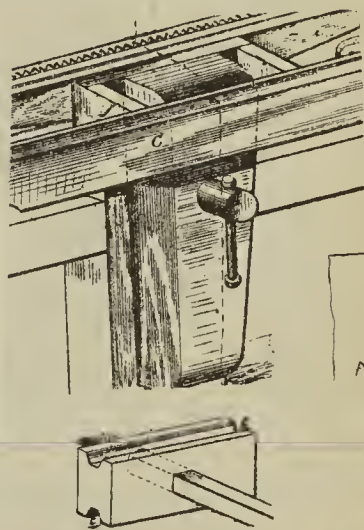
120,761 FRANKLIN MILLER,
WATER-RAMS.



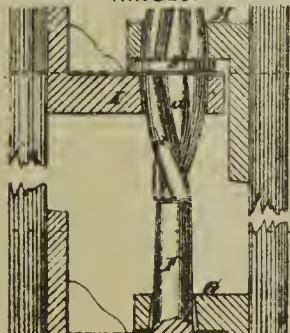
120,767 WILSON NEWCOMB,
PUMP-PISTONS.



120,773 JOHN ADAM RAU,
SAW-FILERS.



120,762 JONATHAN MILLER,
HINGES.



120,768 JOHN C. NOBLES,
BROILERS.



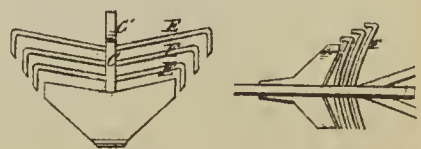
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UTENSILS FOR BROILING AND FRYING.



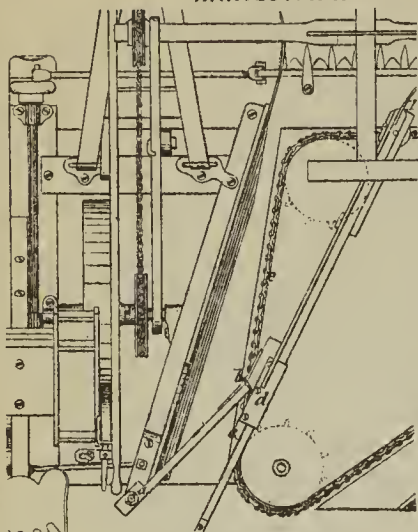
120,771 HENRY T. REEVES,
CUTLERY.



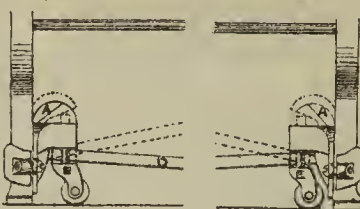
120,775 RICHARD B. ROBBINS,
POTATO-DIGGERS.



120,777

JOHN M. ROSEBROOKS.
HARVESTER-RAKES.

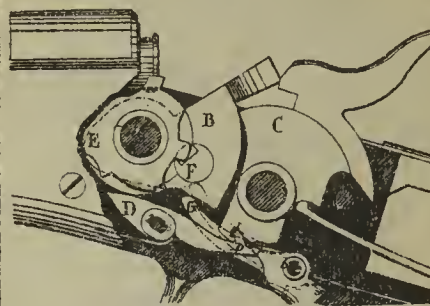
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HENRY A. SKINNER.
CASTERS FOR SEWING-MACHINES.

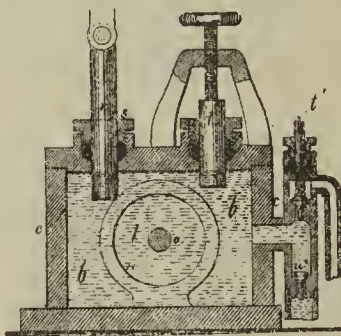
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WILLIAM S. SMOOT.

BREECH-LOADING FIRE-ARMS.

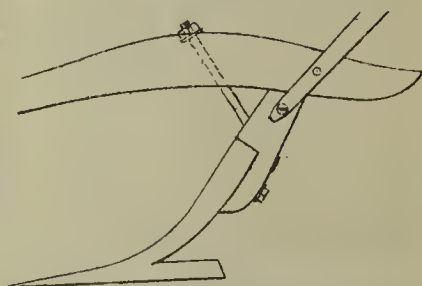


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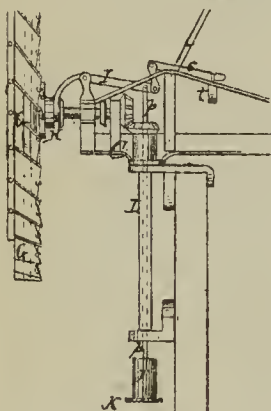
AUSTIN H. SMITH,
STONE-CRUSHING APPARATUS.

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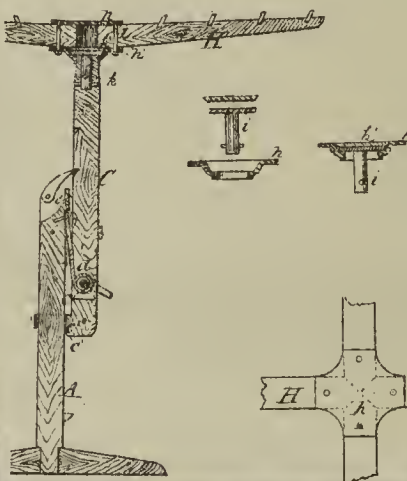
SAMUEL SNIDER. CULTIVATORS.



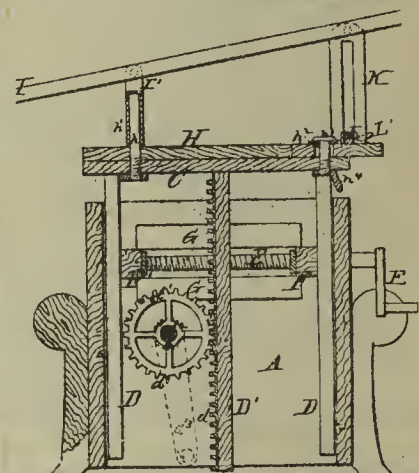
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ASAHEL D. RUDDOCK,
WINDMILLS.

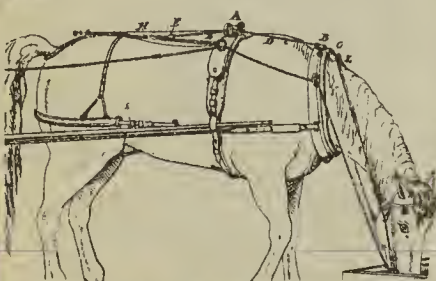
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SMITH AND DIETRICH
CLOTHES-DRIERS.

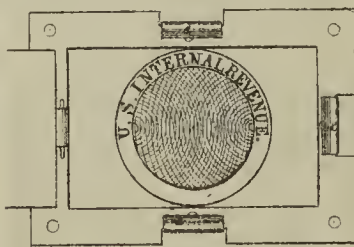
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CAMERA-STANDS.

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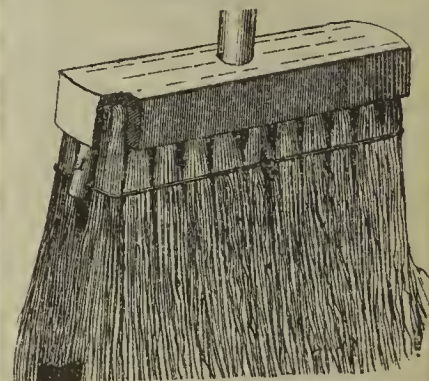
JOHN SCHOFIELD.
CHECK-REINS.

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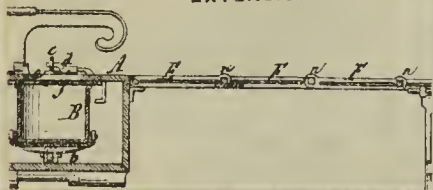
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REVENUE-STAMP PROTECTORS.

120,791

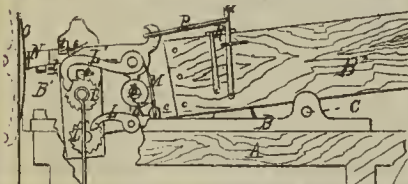
WILLIAM C. SPELLMAN, BROOMS.



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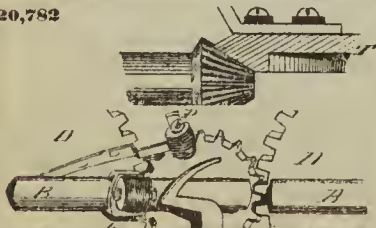
LUDWIG FRIEDRICH SCHWENKEL.
EXTENSION CHAIRS.

120,781

HUGH SELLS,
STRAW-CUTTERS.

120,782

EMERSON SIZER,

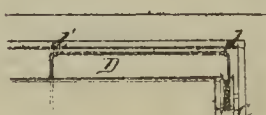


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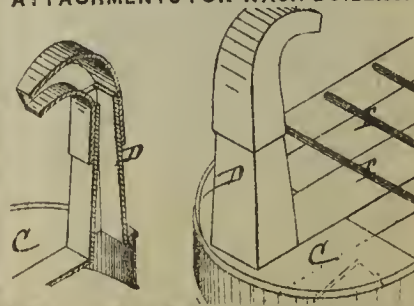
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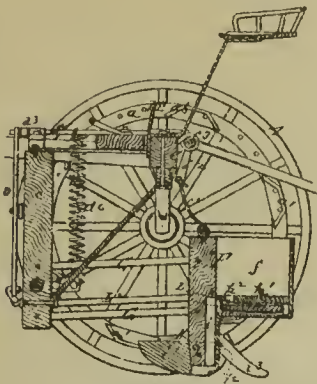
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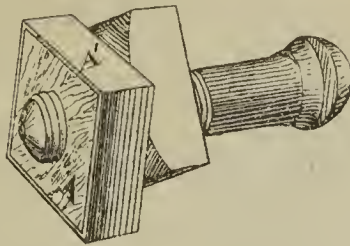
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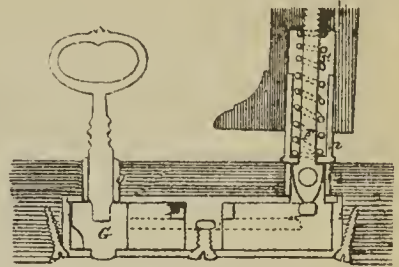
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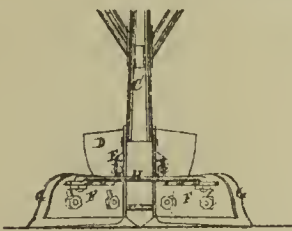
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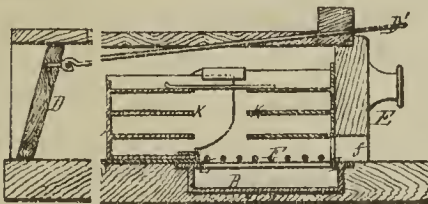
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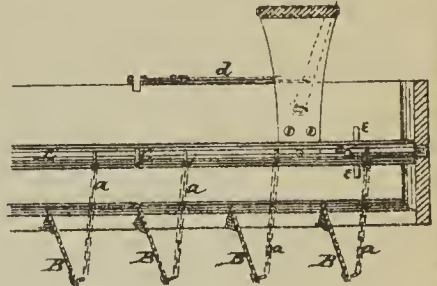
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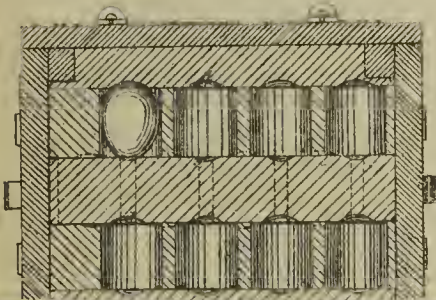
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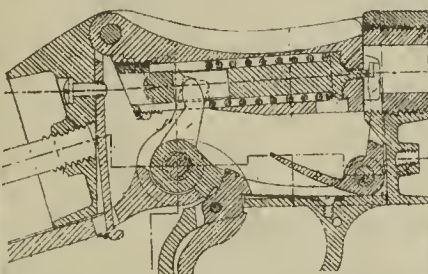
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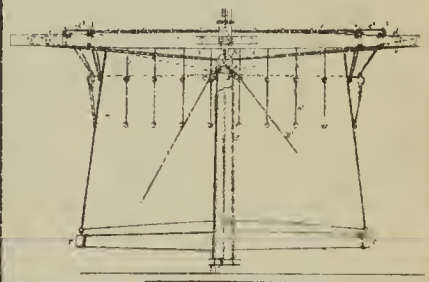
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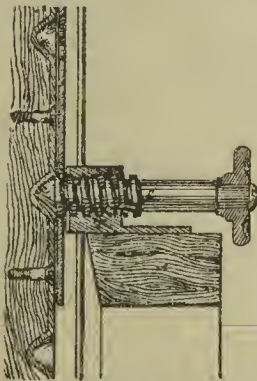
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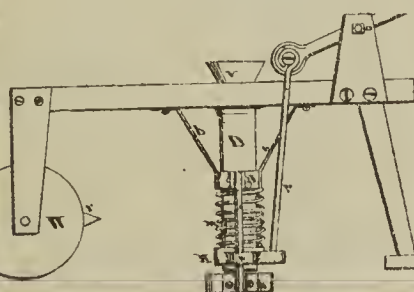
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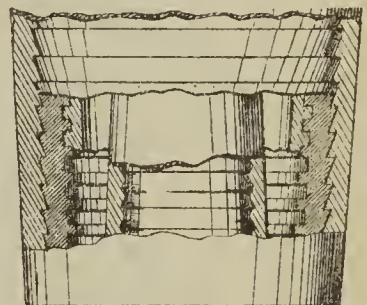
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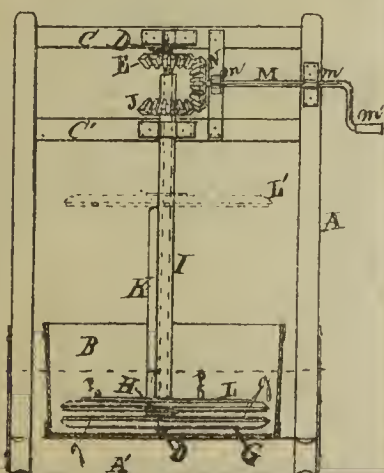
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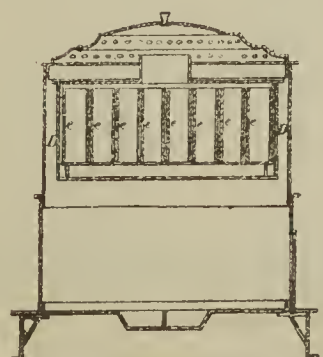
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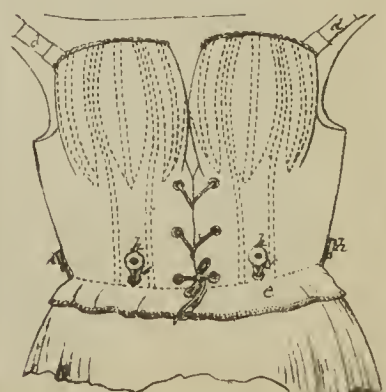
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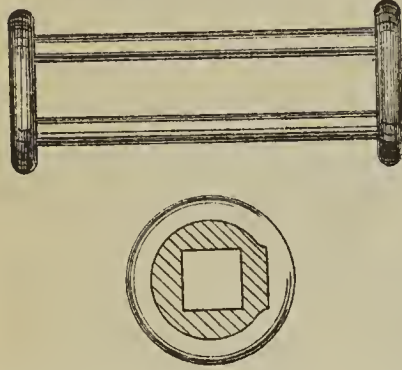
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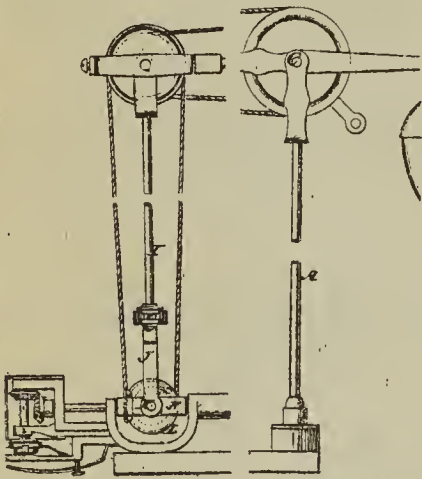
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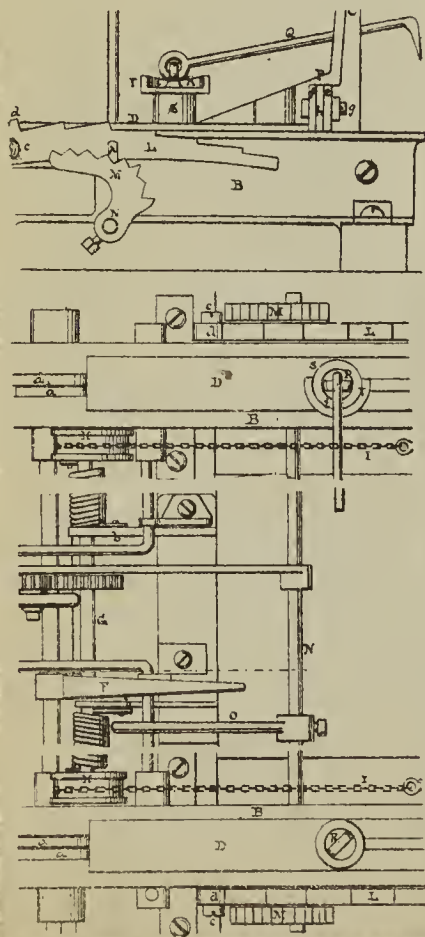
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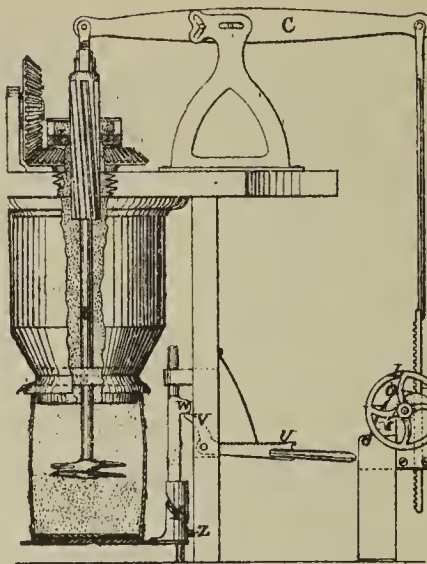
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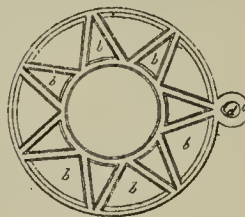
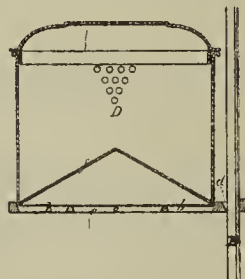
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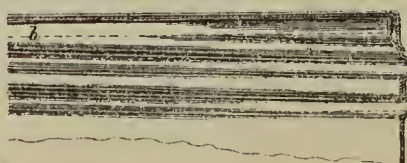
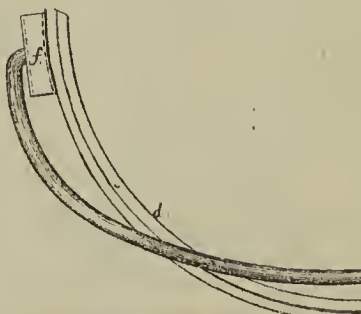
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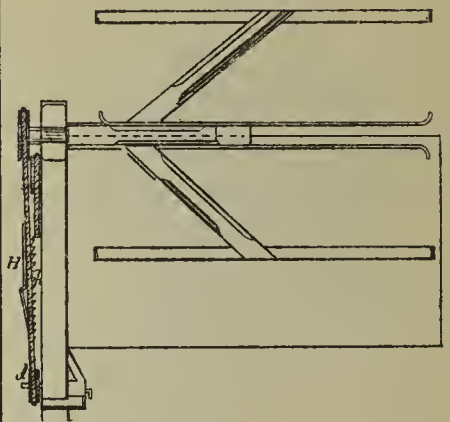
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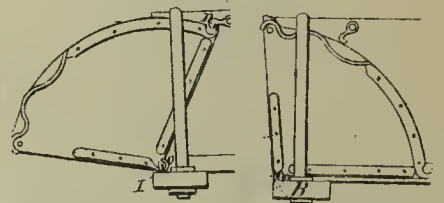
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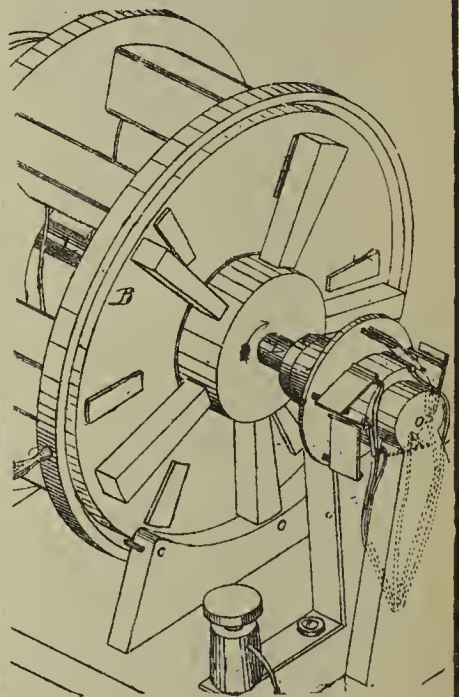
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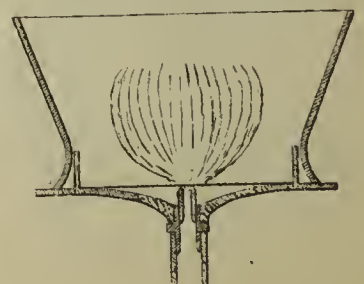
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4,632 JACOB P. TIBRELL,
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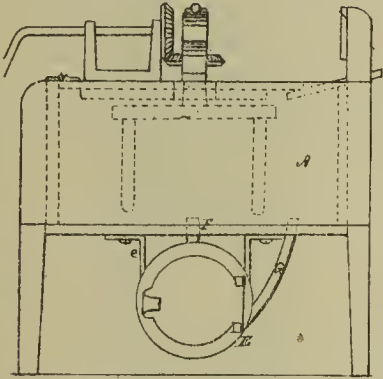
4,633 TOUSSAINT TRUDEAU,
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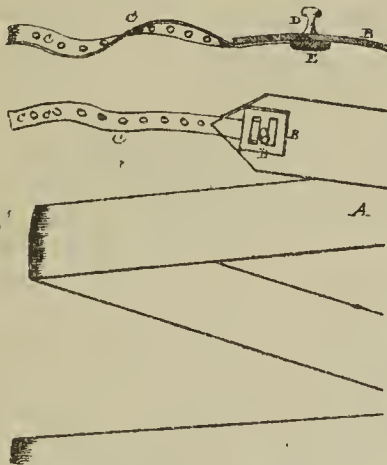
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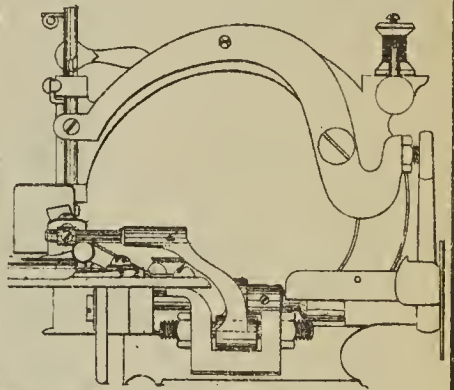
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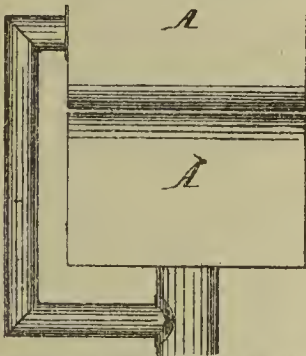
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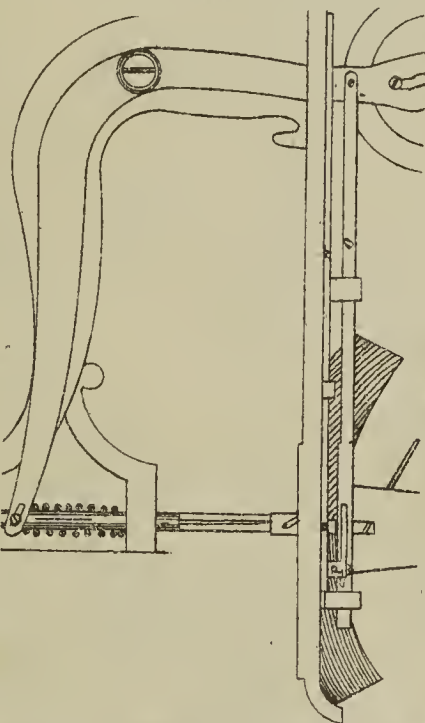
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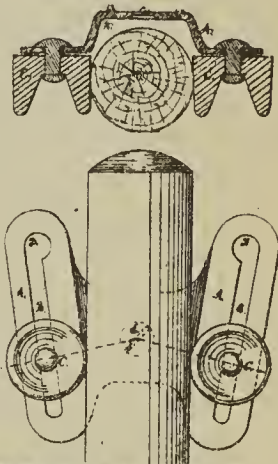
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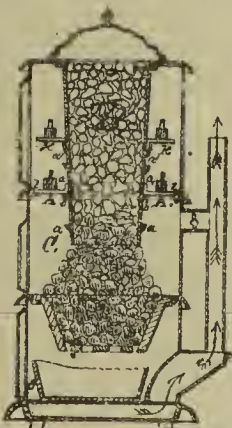
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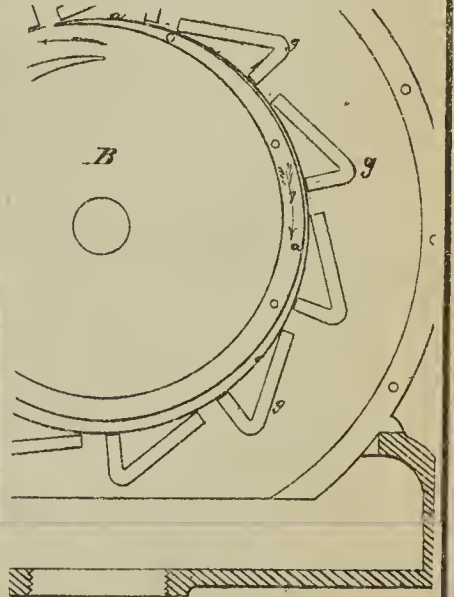
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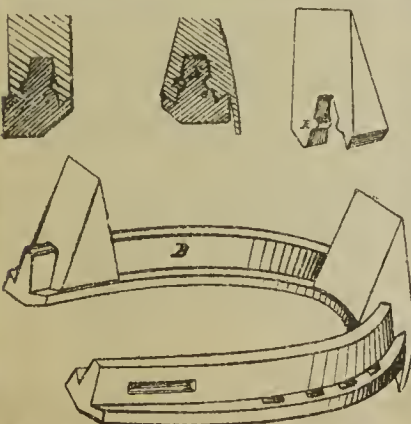
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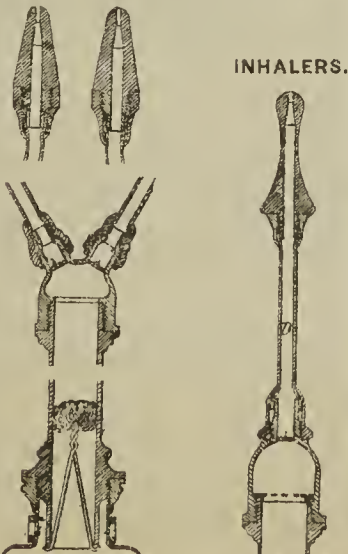
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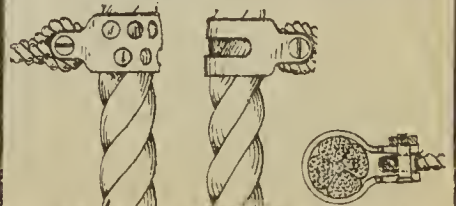
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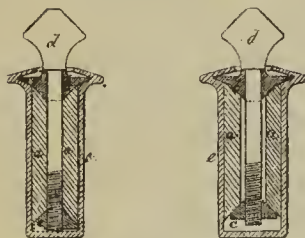


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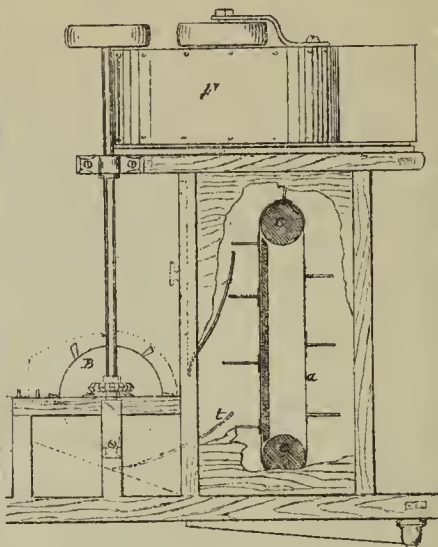
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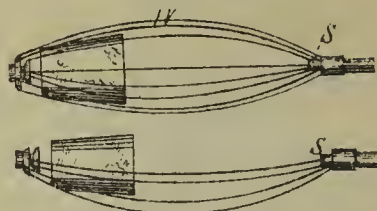
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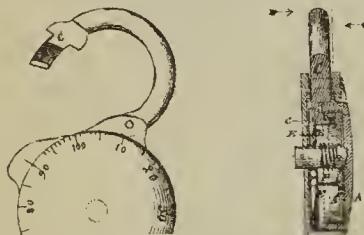
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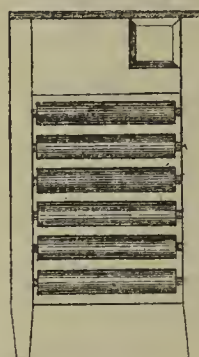
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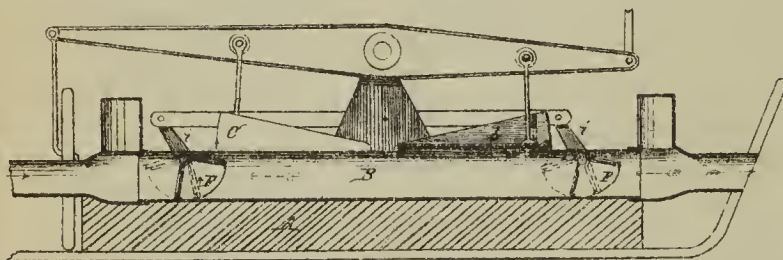
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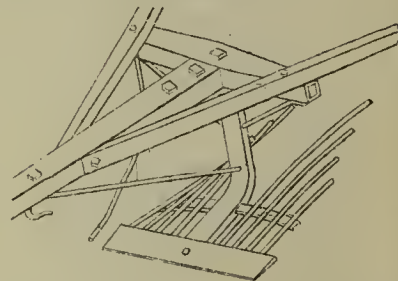
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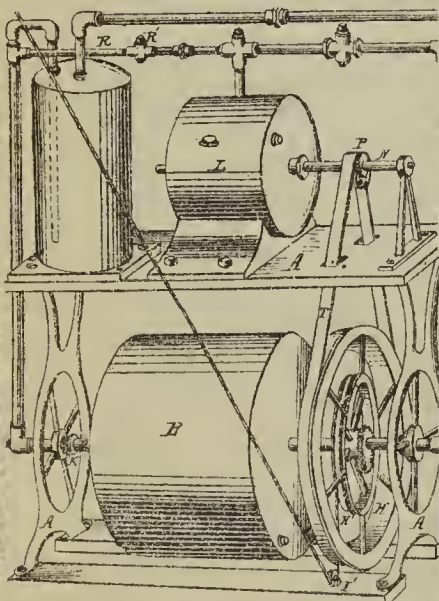
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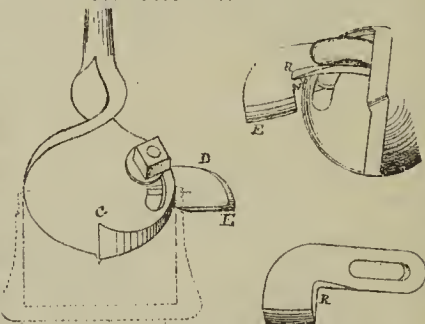
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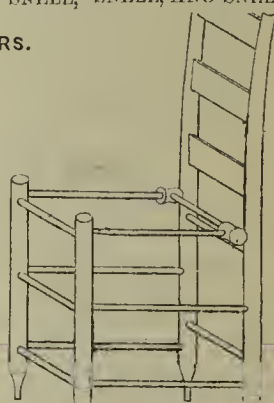
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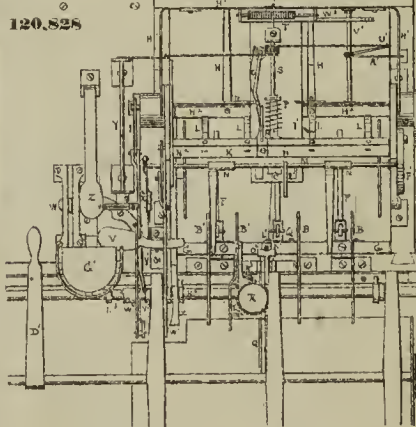
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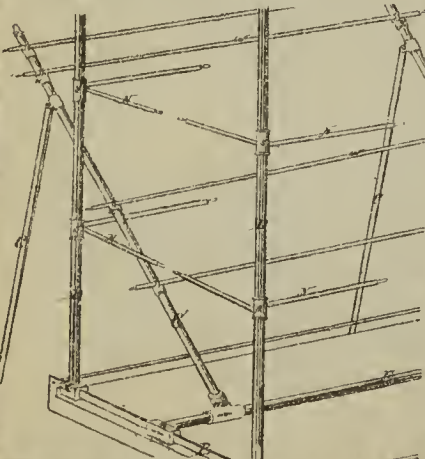
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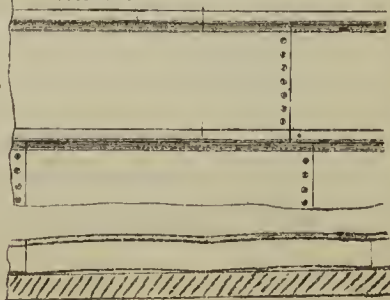


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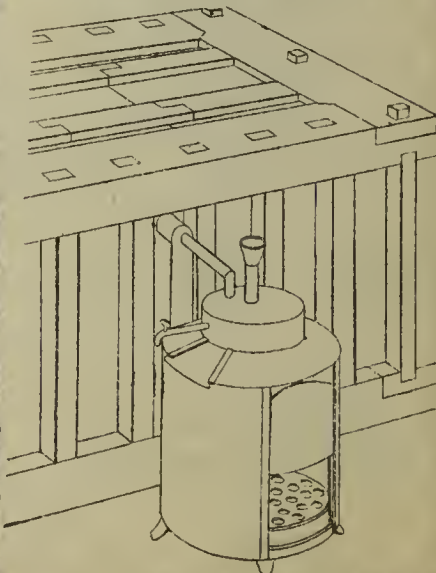
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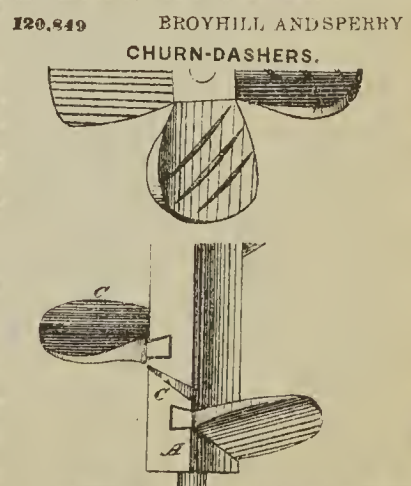
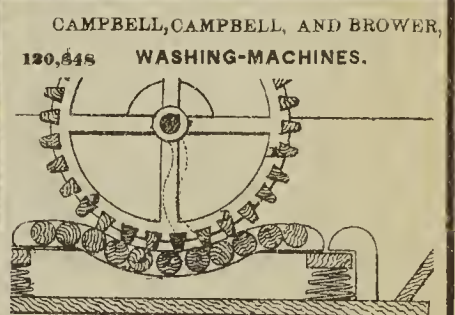
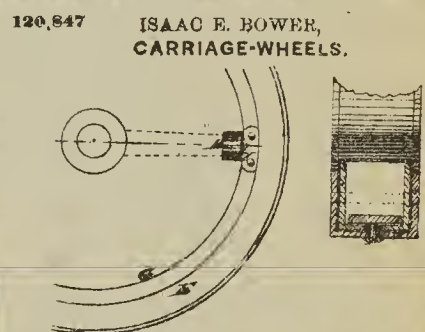
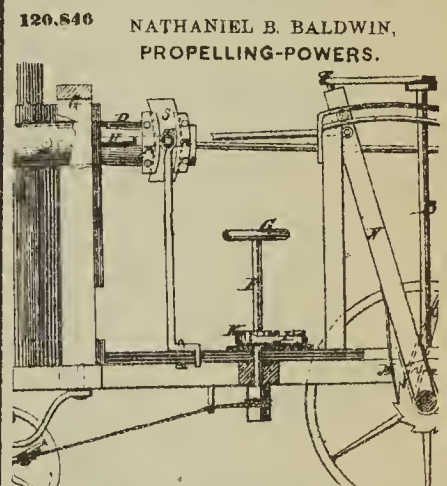
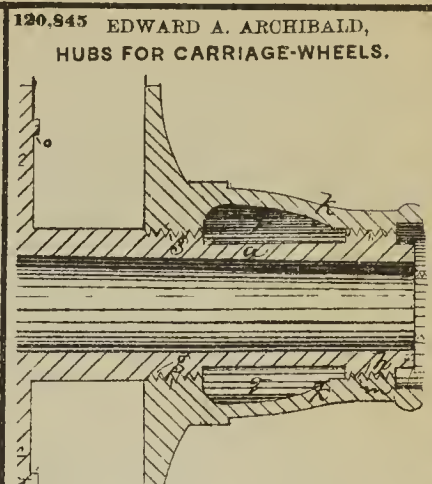
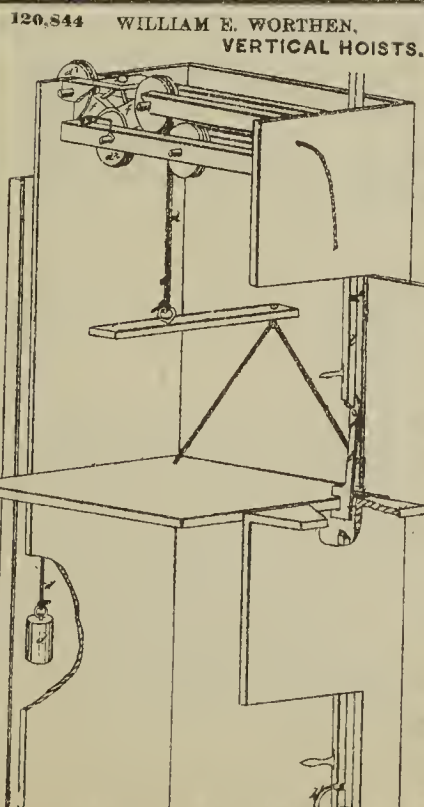
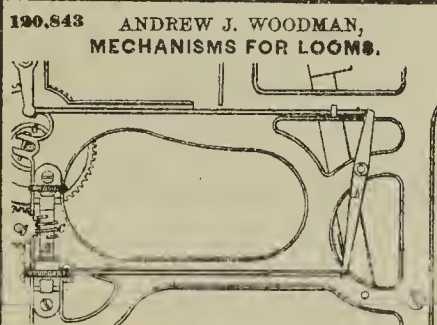
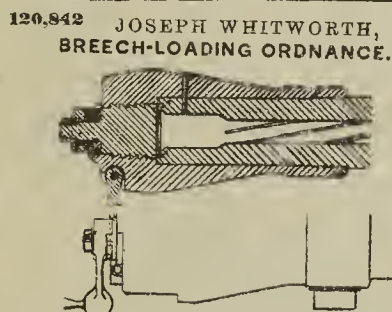
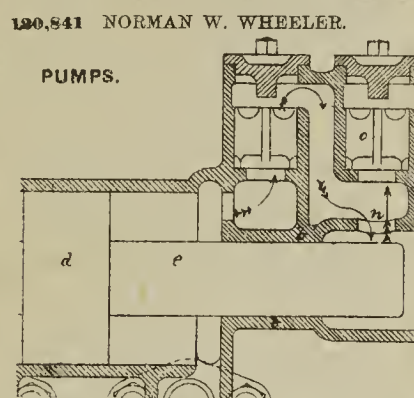
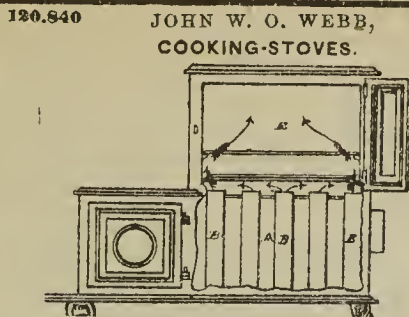
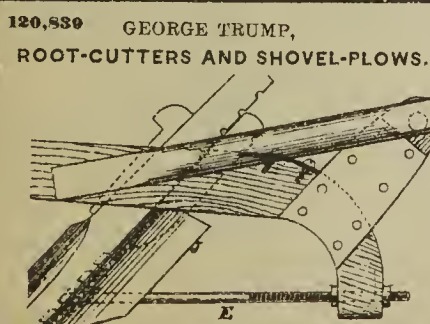
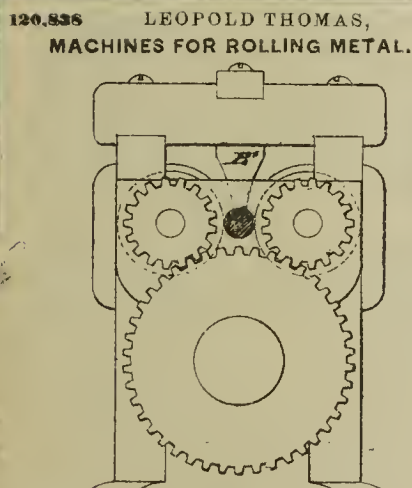
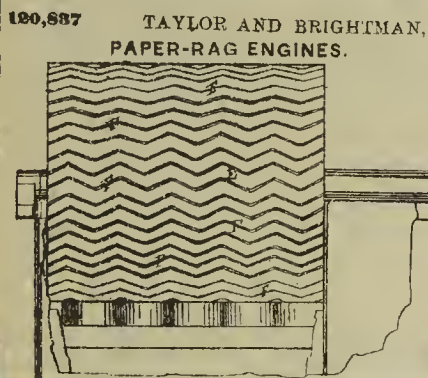
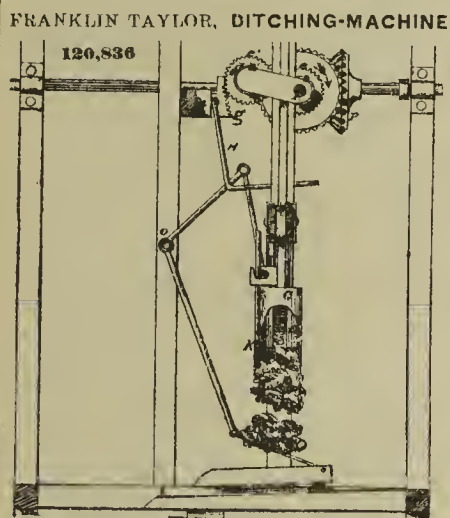
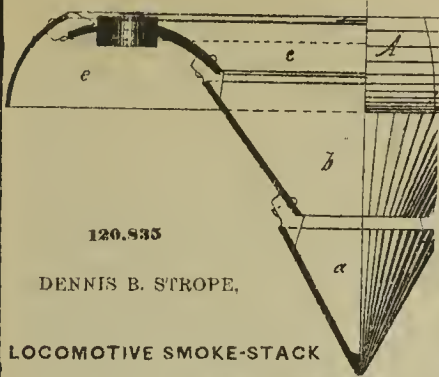
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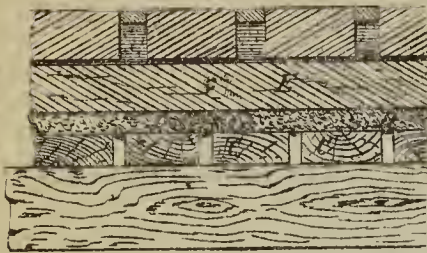


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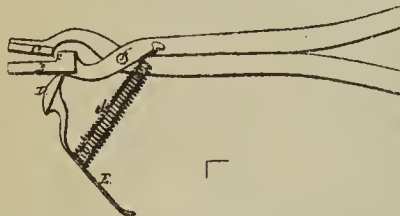
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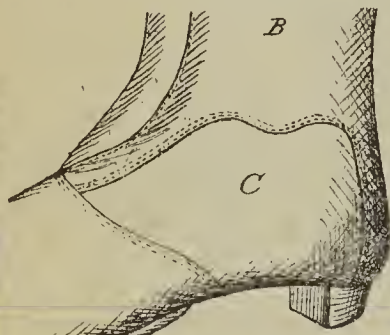
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MANLY A. BURNHAM,
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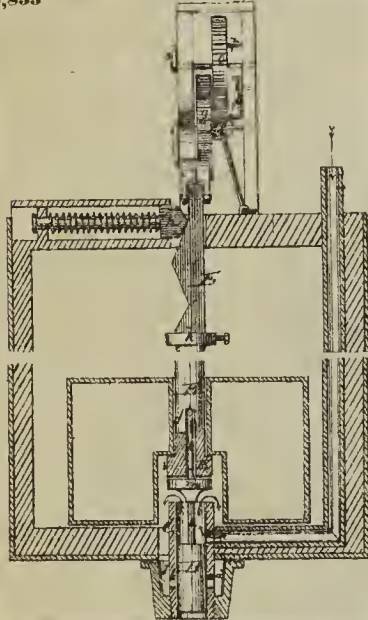
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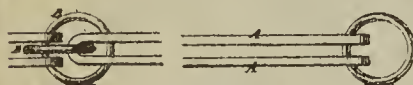
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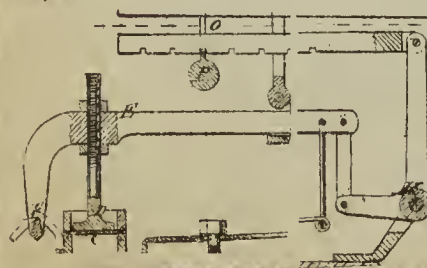
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CAMILLE CAMPEAUX,
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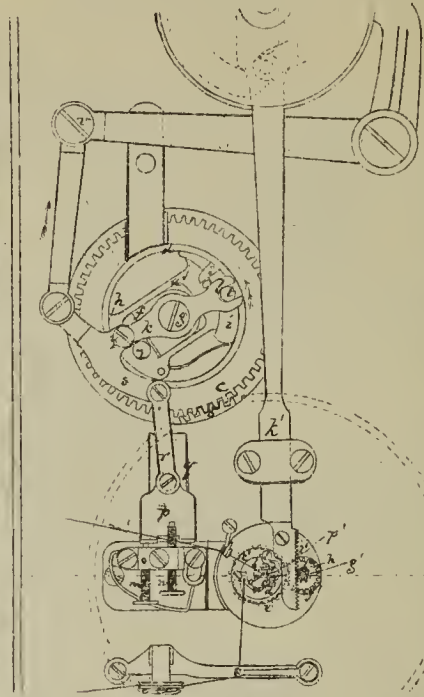
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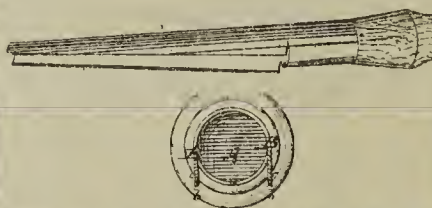
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GEORGE W. CLARK,
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120,855

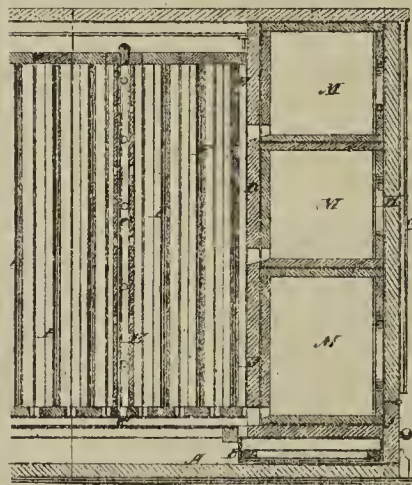
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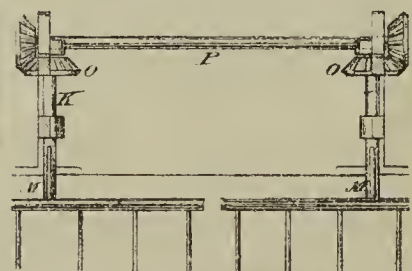
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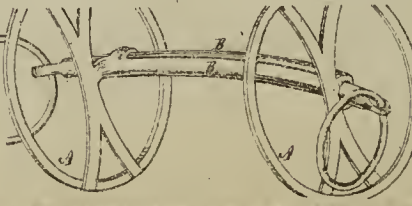
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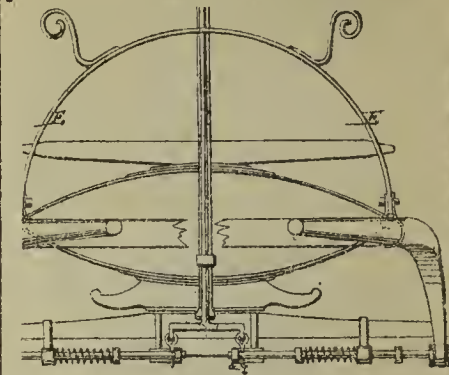
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JUSTUS COOK,
EVAPORATING APPARATUS.

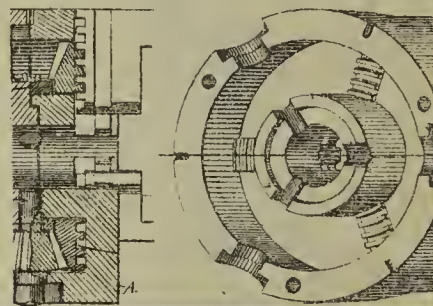
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COMBINATION-LEVER BRIDLE-BITS.

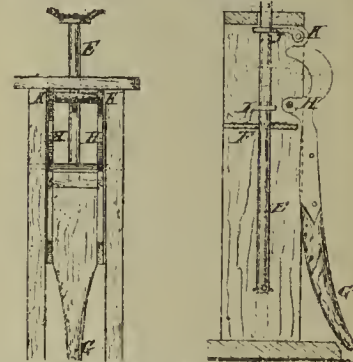
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CRUTCHER AND VANCELAFF,
REIN AND SHAFT SUPPORTS.120,862 CHARLES WILLIAM CURTIS,
MANUFACTURE OF GUNPOWDER.

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AUSTIN F. CUSHMAN,
MACHINISTS' LATHE-CHUCKS.

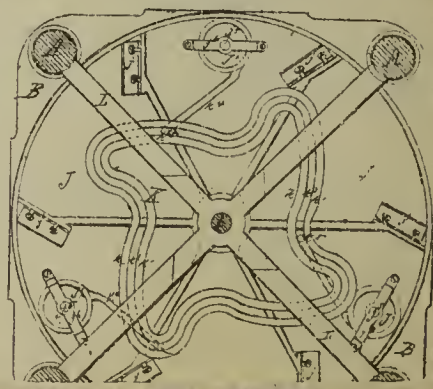
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LIFTING-JACKS.

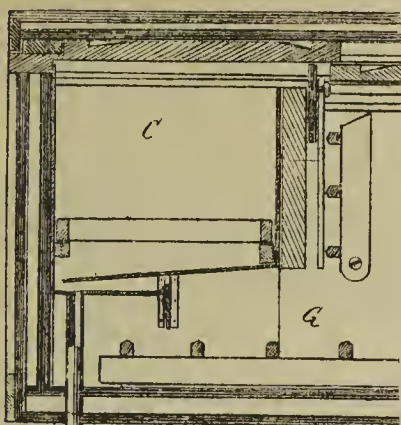
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JOHN M. FARNHAM,
SPRING-BEDS.

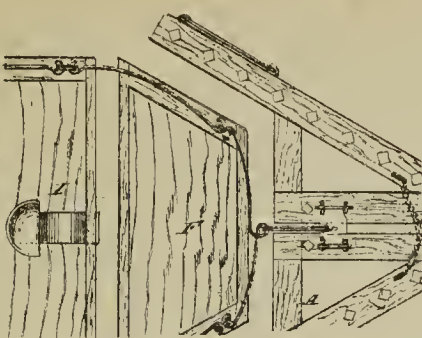
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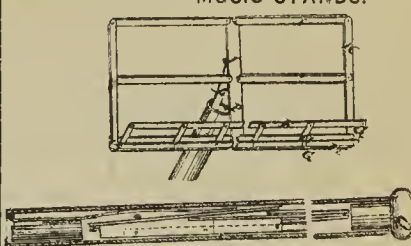
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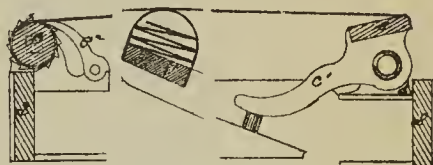
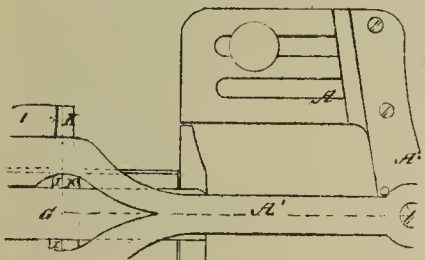
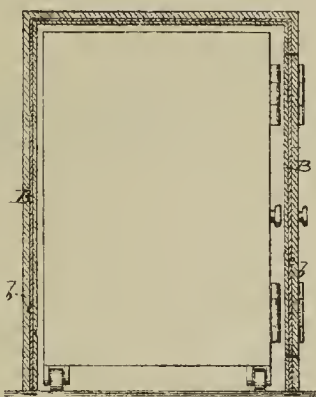
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HARROWS.

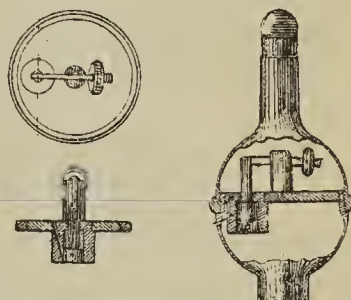
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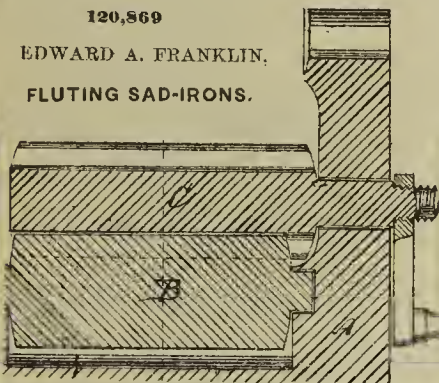
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JOHN JOHNSON,
SPRING-BEDS.120,868 DAVID FORREST,
HEMMERS FOR SEWING-MACHINES.120,874 EDWIN HOLMES,
ELECTRIC LININGS FOR SAFES.

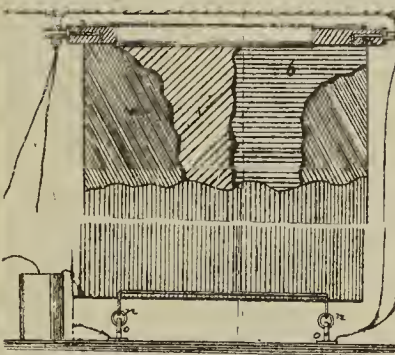
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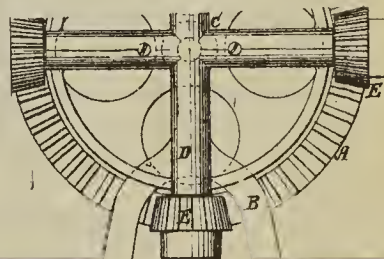
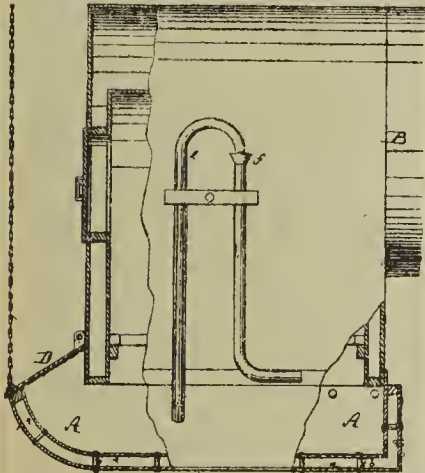
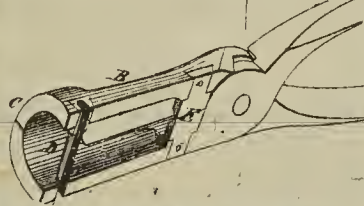
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FLUTING SAD-IRONS.

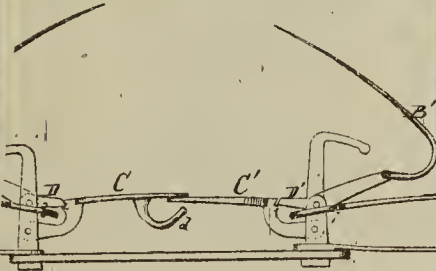
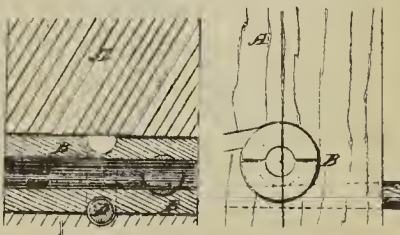
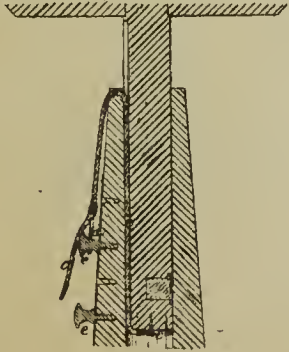
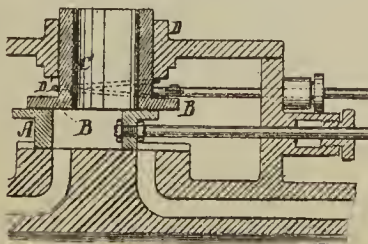
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BURGLAR-PROOF CURTAINS.

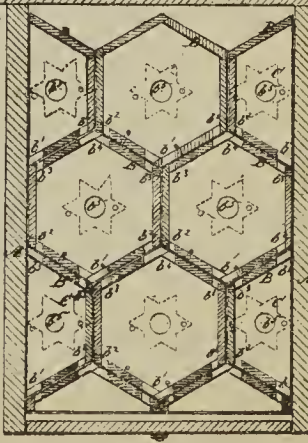
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WILLIAM F. JONES,
MECHANICAL MOVEMENTS.120,870 JOHN GATES,
ASH-PANS FOR STEAM-BOILERS.120,876 WINFIELD S. HOUSTON,
HOG-RINGING DEVICES.

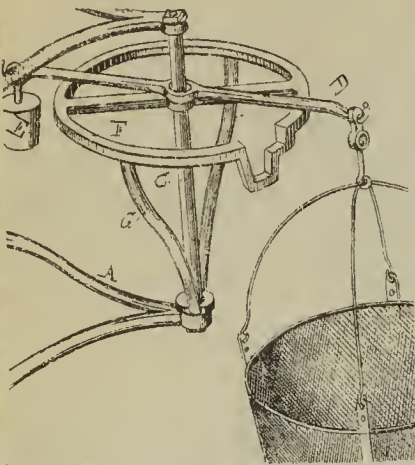
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NATHAN S. HOWELL,
ANIMAL-TRAPS.120,884 GEORGE W. KIDWELL,
TELEGRAPH-INSULATORS.120,872 GEORGE W. GRISWOLD,
MUSIC-STOOLS, STANDS, AND WORK-TABLES.120,878 HUNTINGTON AND HEMPSTEAD,
VALVES FOR STEAM-ENGINES.ELLERY CHANNING LEWIS,
HONEY-BOXES FOR BEE-HIVES.

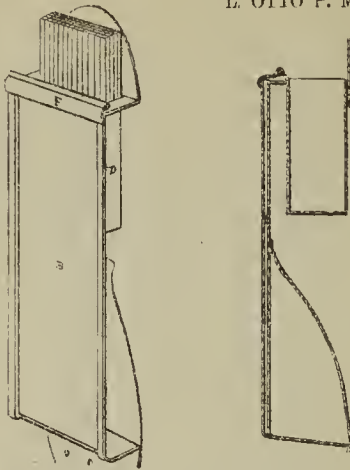
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MARY E. LEWIS.
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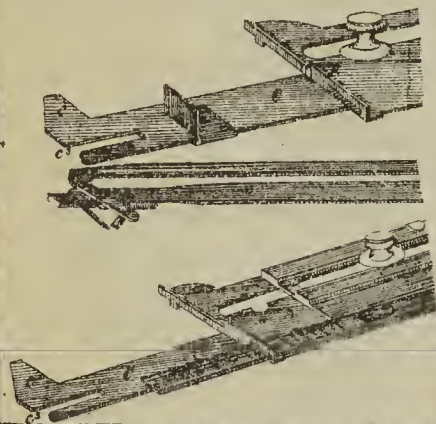
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MATCH-HOLDERS.
L. OTTO P. MEYER

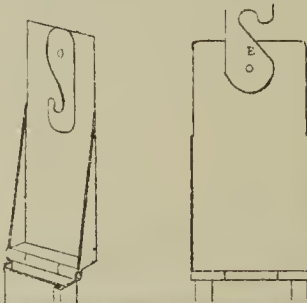
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FRAMES FOR DIKING-SHEETS.

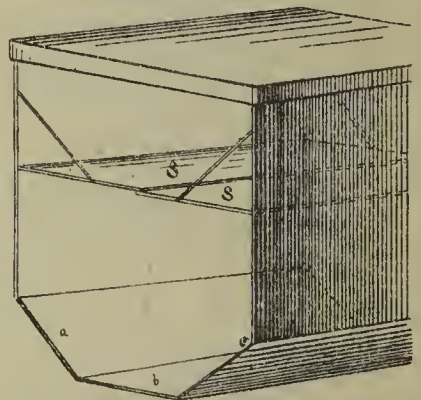
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ATTACHMENTS FOR SEWING-MACHINES.

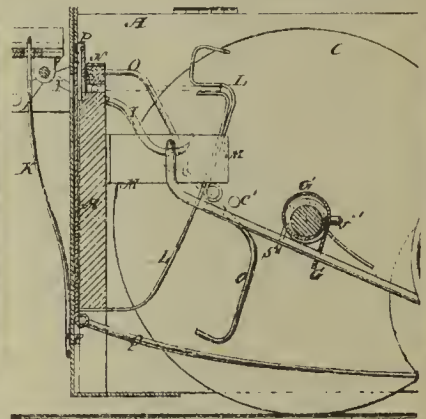
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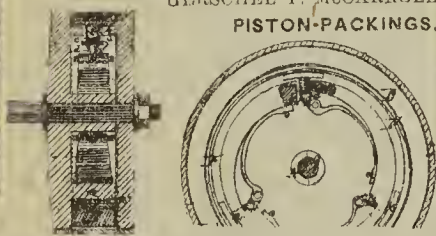
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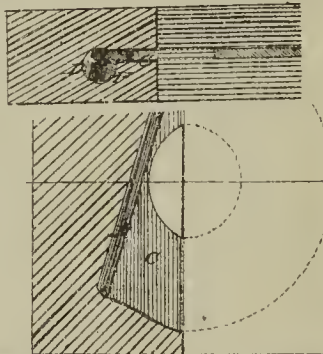
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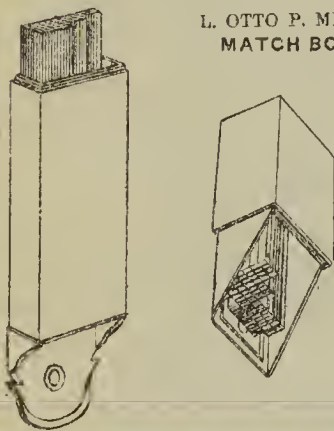
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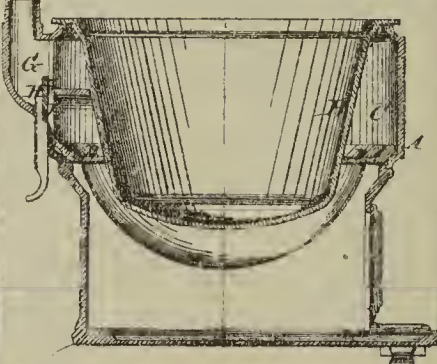
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THOMAS W. MOORE,
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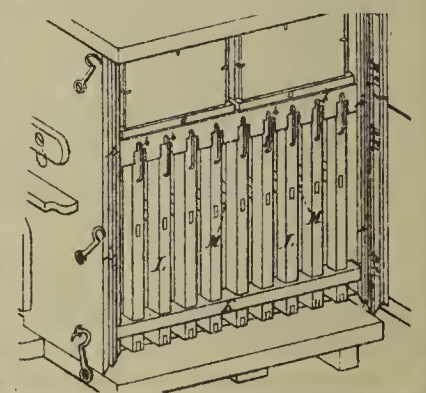
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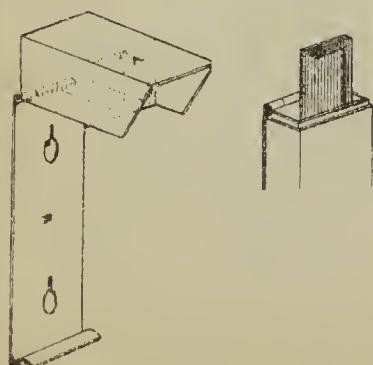
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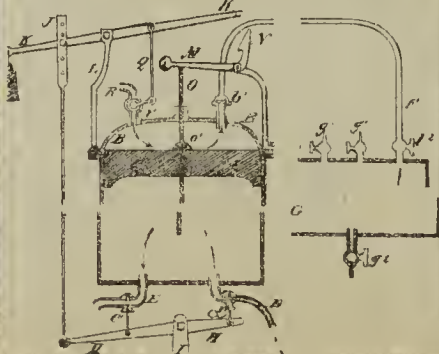
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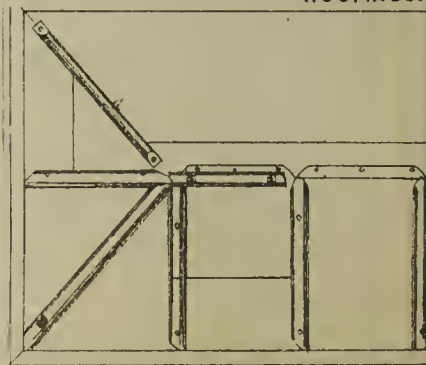
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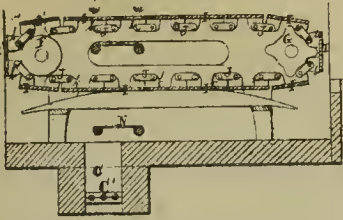
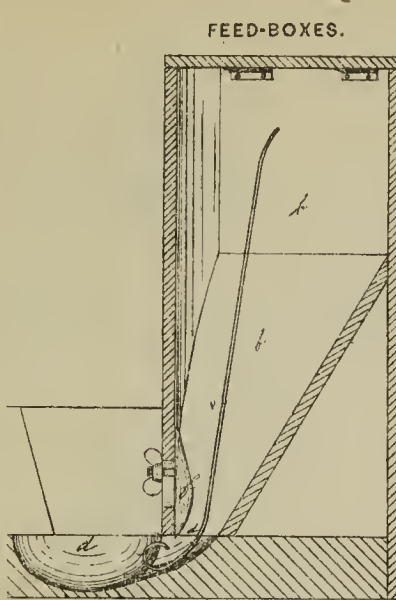
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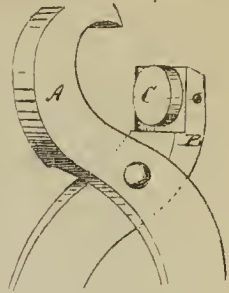
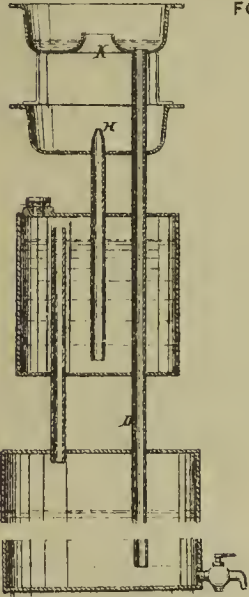
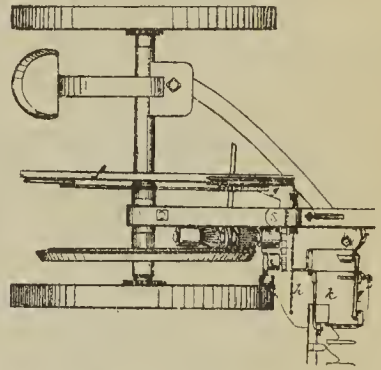
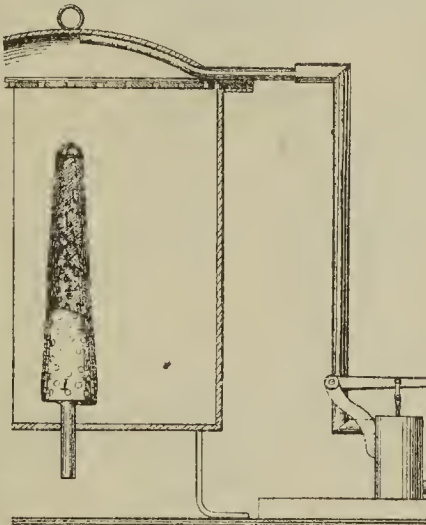
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APPARATUS FOR FORCING LIQUIDS.

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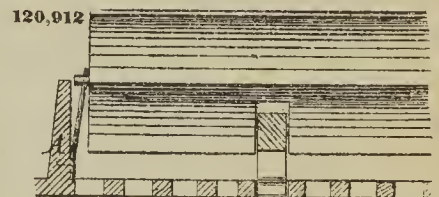
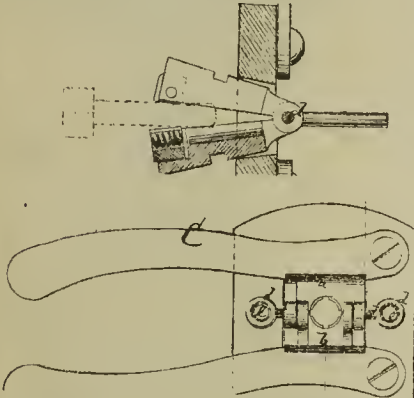
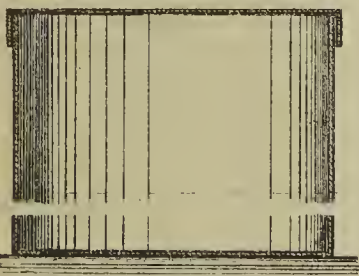
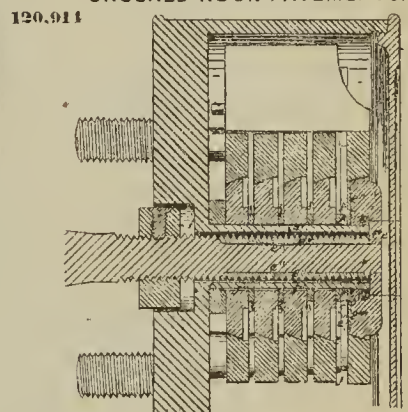
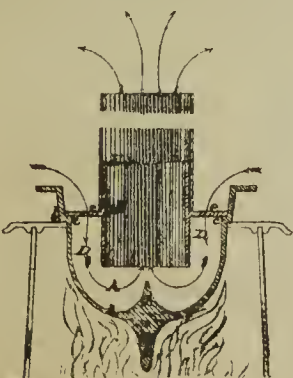
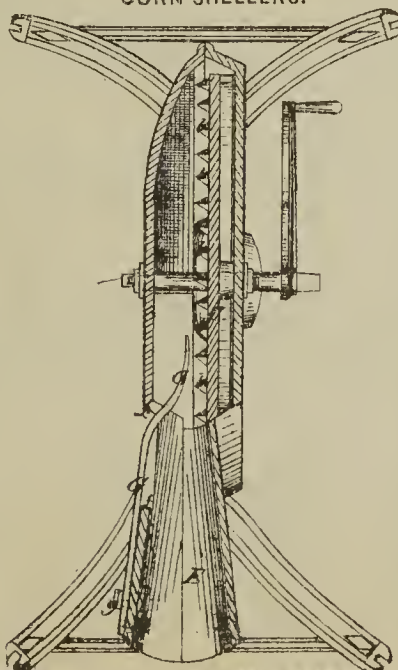
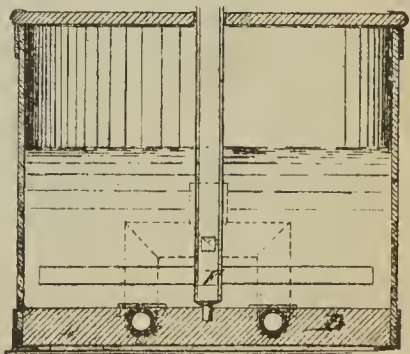
ROBERT SANDERSON,
ROOFINGS.

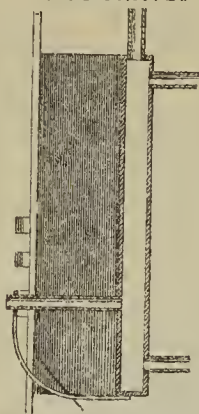
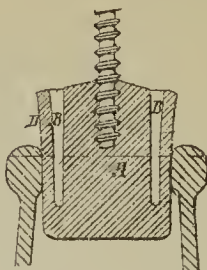
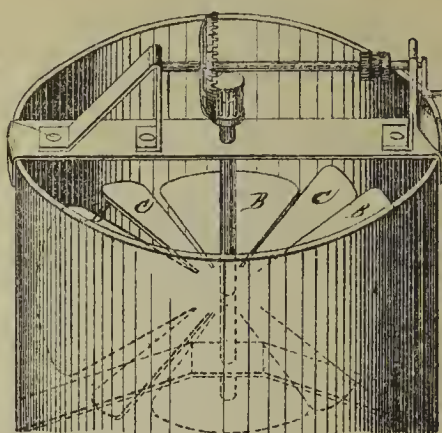
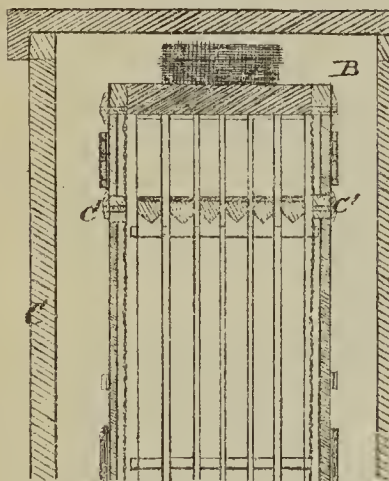
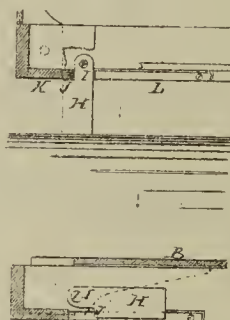
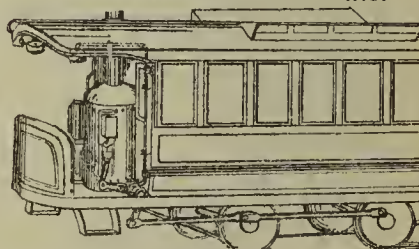
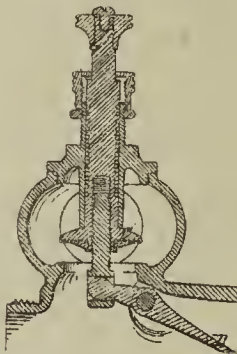
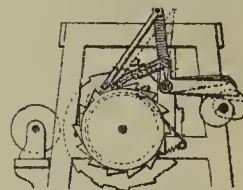
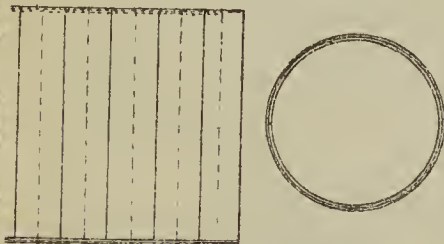
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BAKERS' OVENS.120,906 SHAW AND GOULD,
FEED-BOXES.

120,910 JAMES STRATTON, PIPE-TONGS.

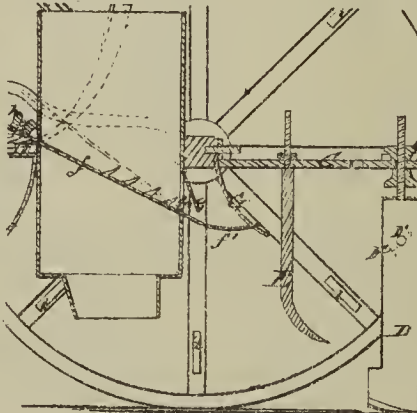
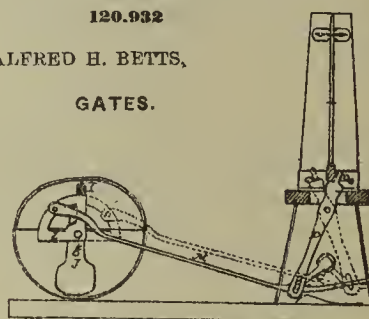
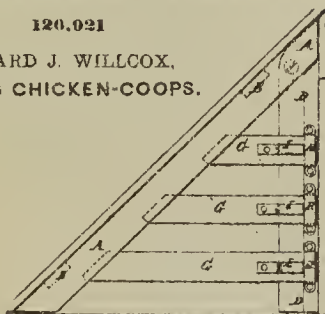
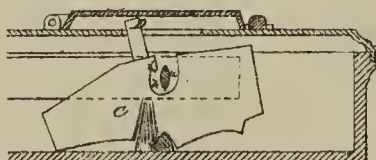
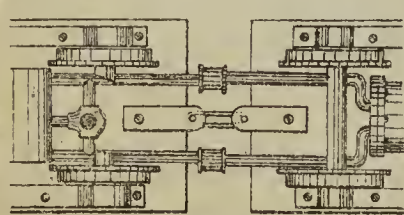
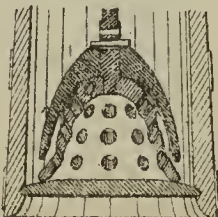
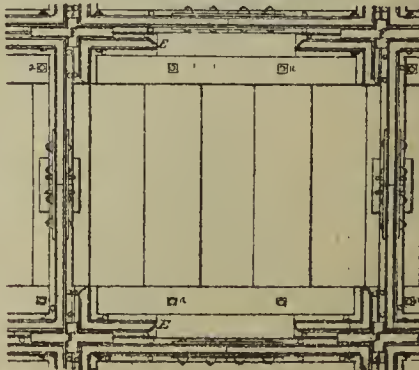
120,902 HENRY H. SAWTELL,
FOUNTAINS.120,907 THOMAS R. SINCLAIRE,
BLACKING-BOXES.120,911 JOHN S. TRUXELL,
HARVESTERS.120,908 THOMAS R. SINCLAIRE,
APPARATUS FOR FILTERING LIQUIDS.

EDWARD A. TUTTLE, AIR-REGISTERS.

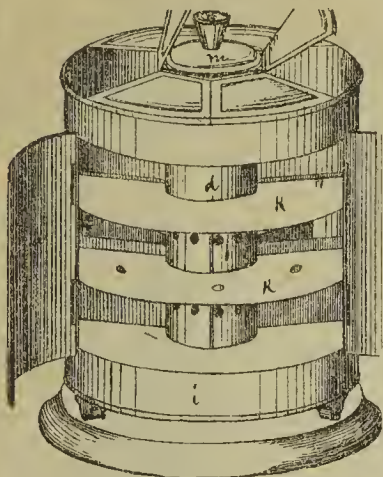
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MACHINES FOR THREADING BOLTS.120,913 ALBERT VANAUKEN,
BRIDLE-BITS.120,904 RAPHAEL M. SELDIS,
MOTH-PROOF BOXES.AARON VAN CAMP, ASPHALTIC AND
CRUSHED-ROCK PAVEMENTS.120,905 WILLIAM SHAW,
PORTABLE HEATING APPARATUS.120,909 ABIA B. SMITH,
CORN-SHELLERS.120,915 VINTON AND HINES,
PERMUTATION LOCKS.

120,917 MILES S. WATKINS,
FIRE-PLACE GRATES.120,923 WENDELL WRIGHT,
BOTTLE-STOPPERS.120,929 WILLIAM H. BAILEY,
BLOWERS.120,918 JOHN WHEELDON,
BEE-HIVES.120,924 WENDELL WRIGHT,
FOLDING-BEDS.120,930 WILLIAM BAXTER,
ENGINES FOR STREET-CARS.120,925 ALBERT F. ALLEN,
AUTOMATIC RELIEF-VALVES.120,931 WILLIAM G. BEACH,
MACHINES FOR TURNING HUBS.120,919 OTIS C. WHITE,
DENTISTS' AND BARBERS' CHAIRS.120,920 HENDERSON WILLARD,
CYLINDRICAL PACKAGES.

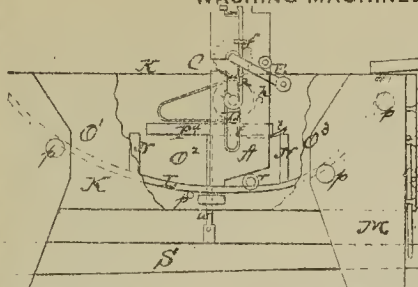
120,926 DAVID ALTMAN, CORN-PLANTERS.

120,932 ALFRED H. BETTS,
GATES.120,921 EDWARD J. WILLCOX,
FOLDING CHICKEN-COOPS.120,927 HIRAM ANDRES,
ADJUSTABLE WEIGHTS FOR SCALES.120,922 ROBERT J. WILSON,
VACUUM-BRAKES FOR RAILWAY CARS.120,928 EZRA J. ASHTON,
Churn-Dashers.120,933 GEORGE W. BILLINGS,
RAILWAY CROSSINGS.

120,934

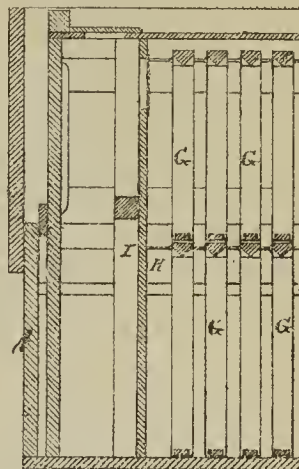
WILLIAM BOGK,
REFRIGERATORS.

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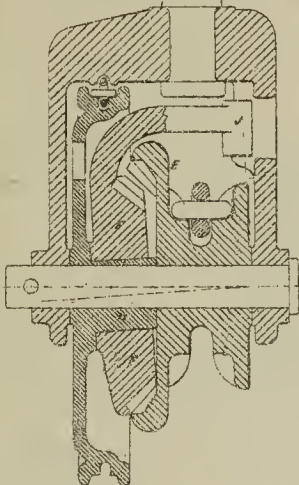
JOHN RANDOLPH CAZIER,
WASHING-MACHINES.

120,941

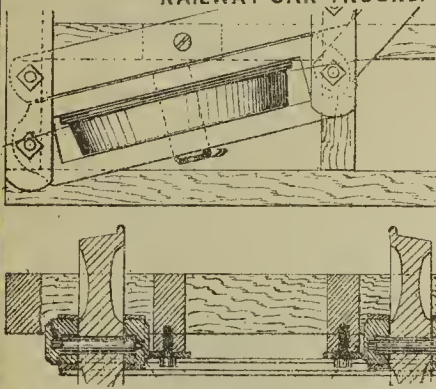
SAMUEL CUPLIN. BEE-HIVES.



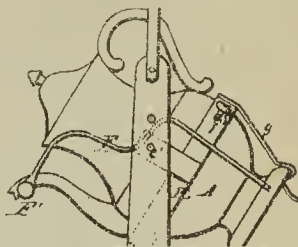
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HENRY CHERRY,
PULLEY-BLOCKS.

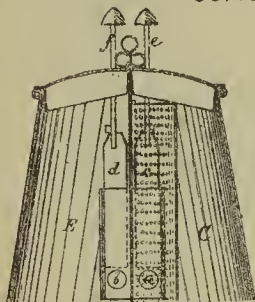
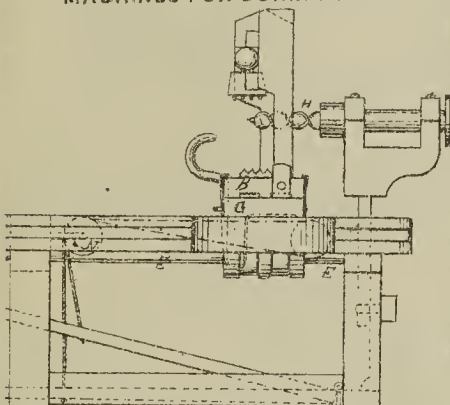
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BROWN, AND BELL.
RAILWAY CAR-TRUCKS.

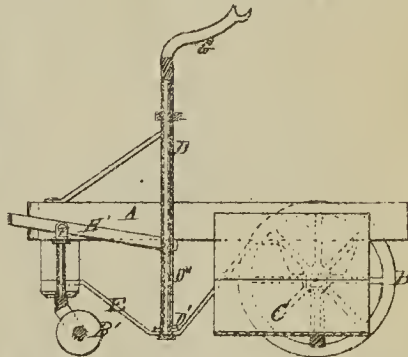
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PHILIP DAVID
TEA AND COFFEE-POT STANDS.

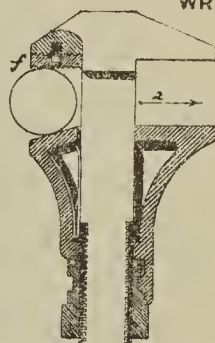
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BROWN AND BLAISDELL,
COFFEE-POTS.120,941 CLINE AND WEAVER.
MACHINES FOR BORING POSTS.

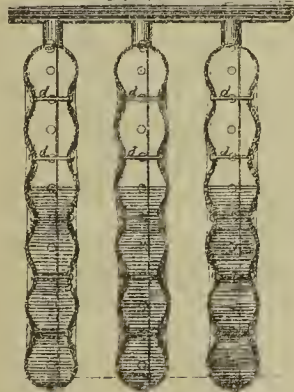
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JOSEPH DAGLEY,
HOG-LIFTING MACHINES.

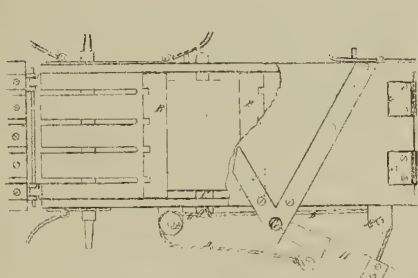
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AUGUSTUS BALL DAVIS,
WRENCHES.

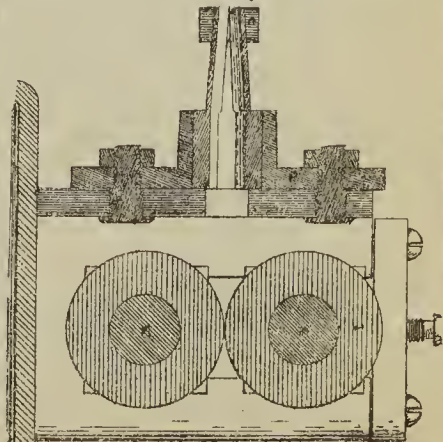
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WILLIAM BYERS,
STEAM-GENERATORS.

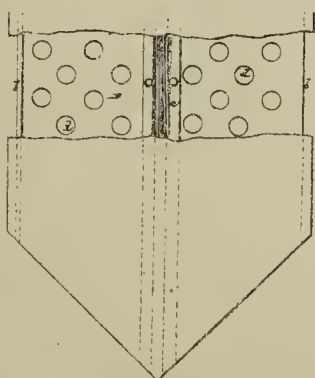
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THOMAS J. CORNING.
BALING-PRESSES.

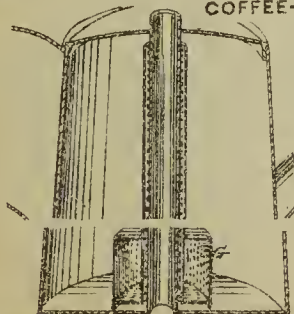
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DICKERSON AND WARREN.
CUTTING SOLID LEATHER BELTING

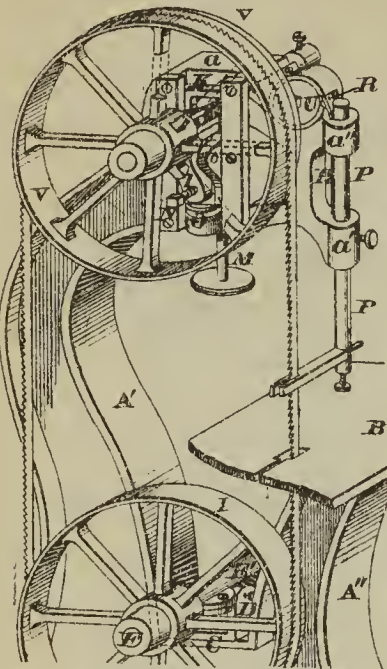
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JOHN P. CULVER,
CORES FOR DIKES.

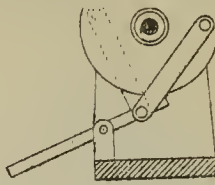
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CAWTHON AND TATOM,
COFFEE-POTS.

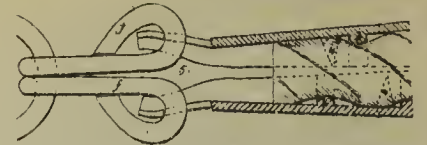
120,949 DOANE AND McKEE.
BAND SAWING-MACHINES.



120,955 PETER FERGUSON.
MECHANICAL MOVEMENTS.

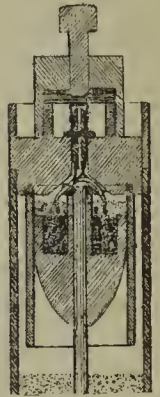


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RIGGING-CLAMPS.

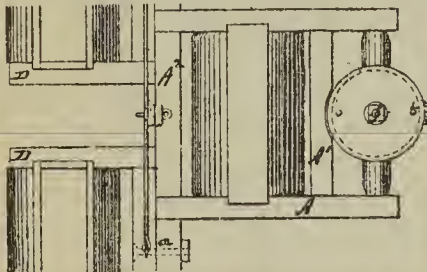


EDWIN GOMEZ,
MODES OF EXPLODING TORPEDOES.

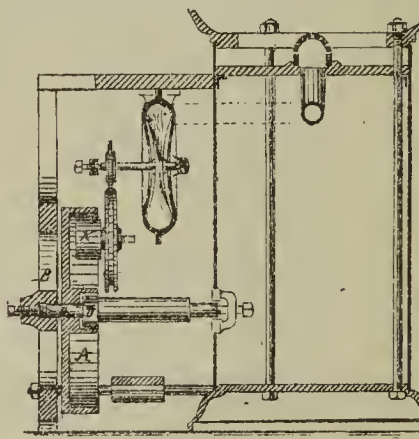
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120,950 GEORGE H. DOW.
FIELD-ROLLERS.

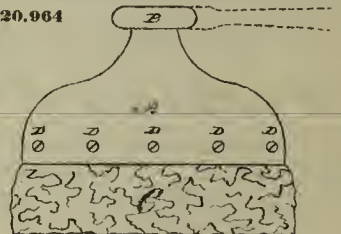


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DRIVING-GEARS FOR PORTABLE FORGES.

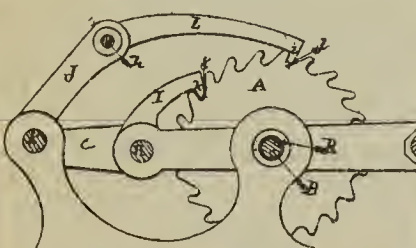


JAMES ALEXANDER GRANT, BRUSHES.

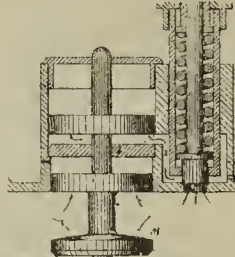
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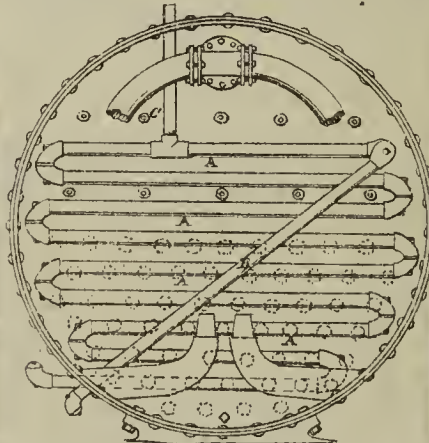
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HOISTING-GEARS.



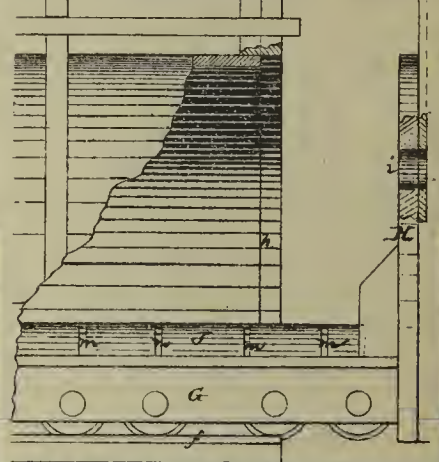
120,958 JAMES GARLAND,
AUTOMATIC RELIEF-VALVES.



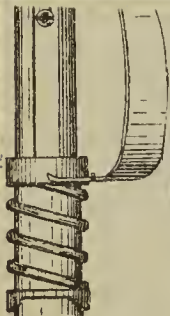
120,959 BENJAMIN GARVIN,
STEAM-BOILER FEED-WATER HEATERS.



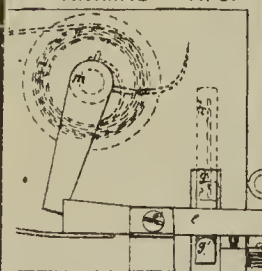
120,965 WILLIAM P. HALL,
KILNS FOR BURNING BRICK, LIME, &c.



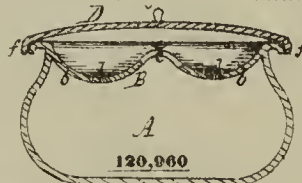
120,952 JOHN EMMERT,
STILTS.



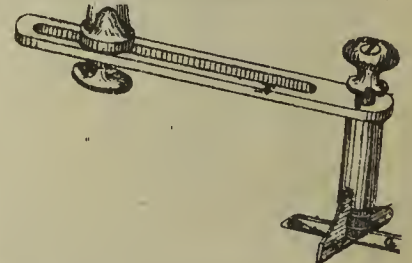
120,953 OSCAR S. EWING,
ANIMAL-TRAPS.



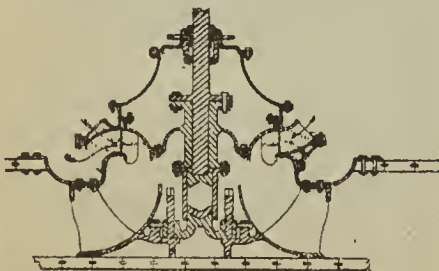
DWIGHT GIBBONS, SEATED URINALS.



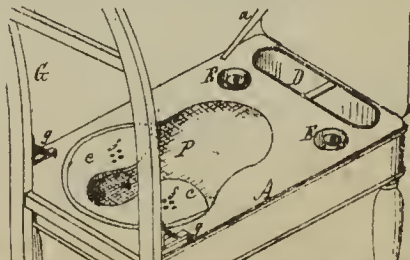
120,966 WILLIAM H. HALLADAY,
GUIDES FOR SEWING-MACHINES.



120,954 JOHN T. FANNING,
CHUTES OF WATER-WHEEL CASES.



120,961 DWIGHT GIBBONS,
BIDETS OR HIP-BATHS.



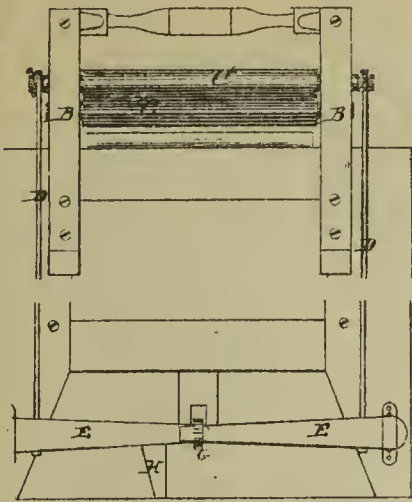
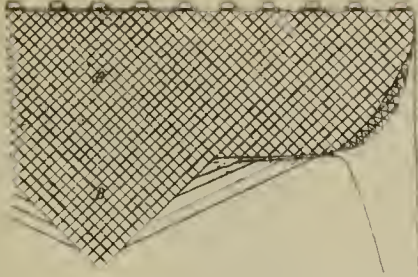
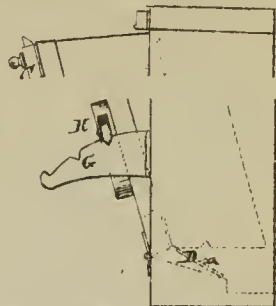
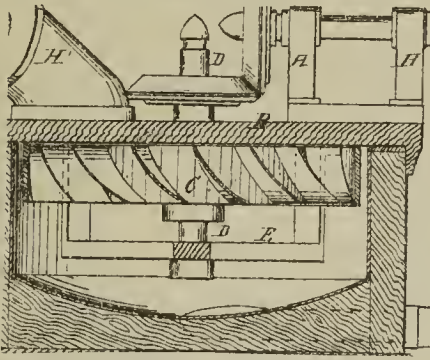
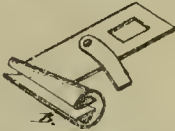
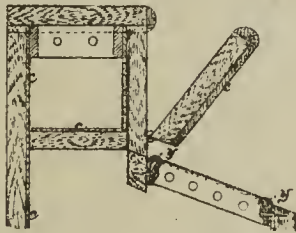
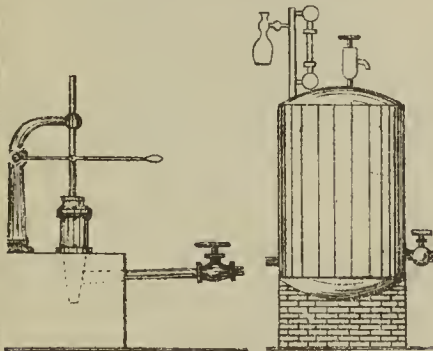
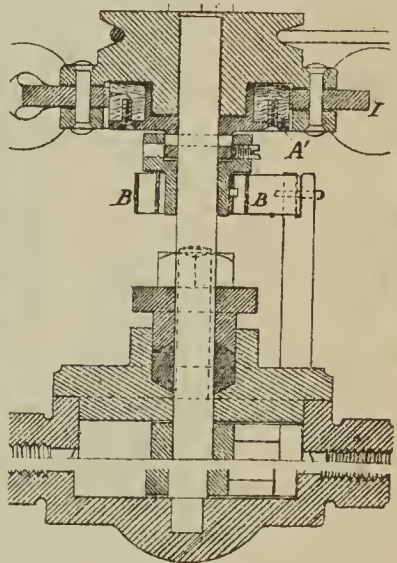
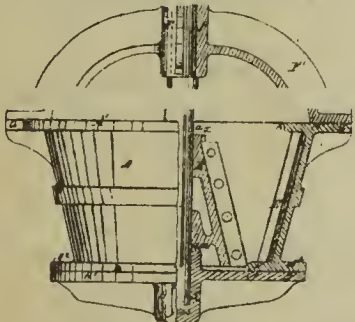
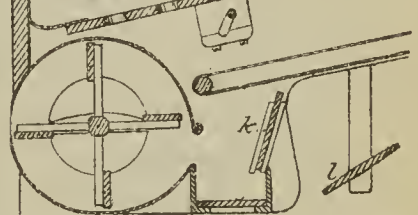
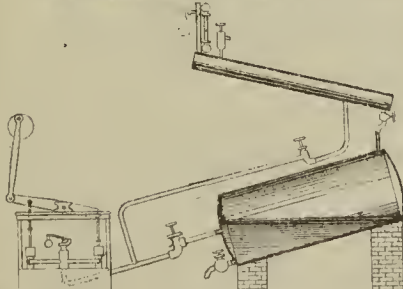
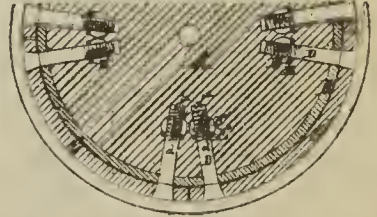
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CORSETS.



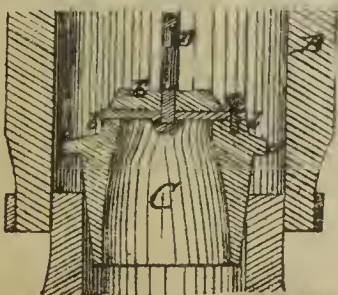
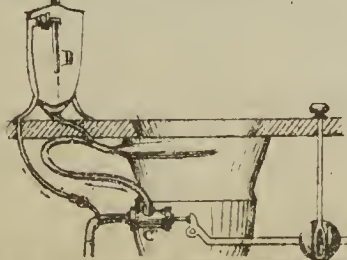
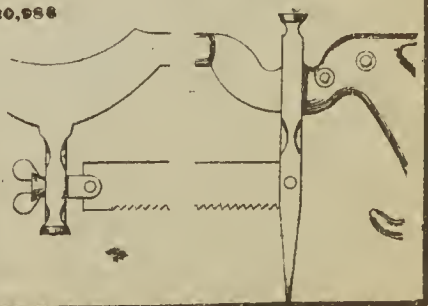
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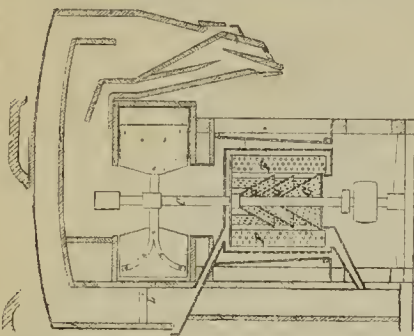
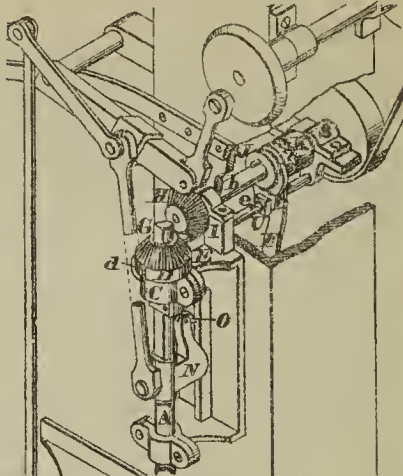
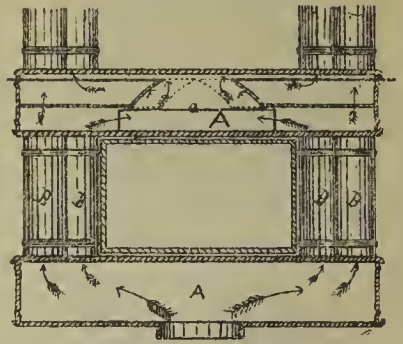
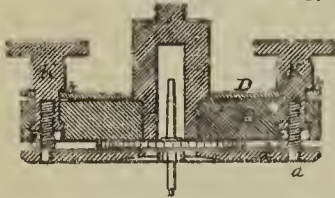
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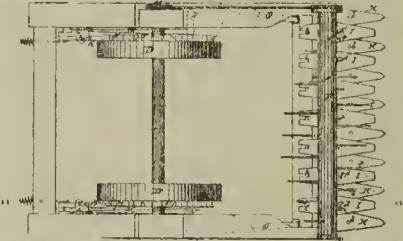
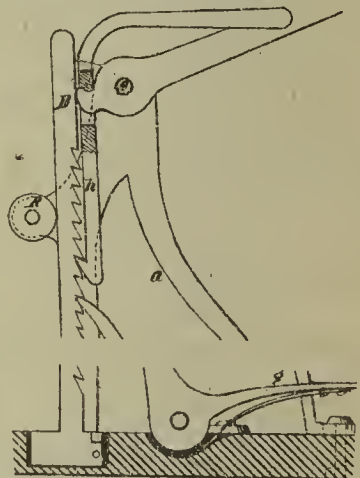
120,968 JAMES W. HAMPTON,
CLOTHES-WRINGERS.120,974 ROBERT JEFFERY,
FISHING-SEINES.120,980 DANIEL C. JUSTISON,
RAILROAD-CAR VENTILATORS.120,975 JOHN HENRY JENNINGS,
HYDRAULIC MOTORS.AUSTIN KELLEY, LADIES' DRESSES.
120,981120,969 MILO HARRIS,
BINDING ATTACHMENTS FOR SEWING-MACHINES.120,970 GEORGE CLIFFE HATCH,
POSTAGE-STAMP HOLDERS.120,976 RALPH S. JENNINGS,
MOTH-PROOF CLOTHING-CHESTS.120,971 LOUIS CHRISTIAN HOFFMEISTER,
WINDOW-SHADE FIXTURES.120,977 JOHNSTON AND JOHNSTON,
APPARATUS FOR LIQUEFYING NITROUS OXIDE120,992 BENJAMIN S. LAWSON,
ENGINE-GOVERNORS.120,972 SAMUEL HUGHES,
ORE-CRUSHING MACHINES.SAMUEL LESSIG, SR. GRAIN-SEPARATOR
120,983120,978 JOHNSTON AND JOHNSTON,
COMPRESSING AND LIQUEFYING NITROUS OXIDE120,985 HENRY C. LOCKWOOD,
RAILWAY CAR-WHEELS.

120,973 AARON J. HULL, PUMPS.

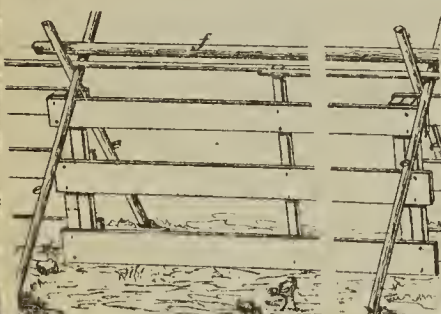
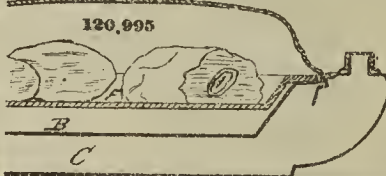
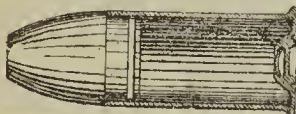
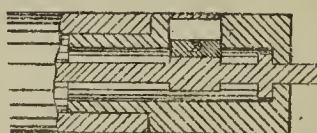
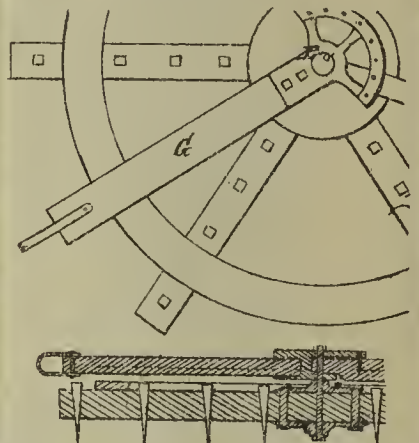
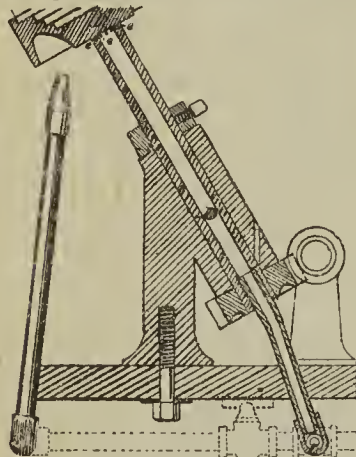
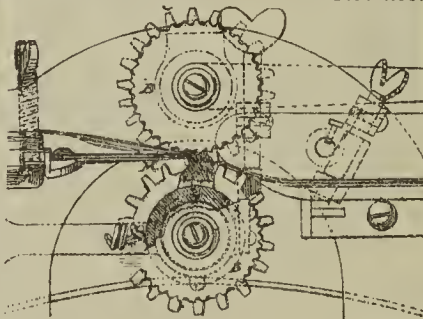
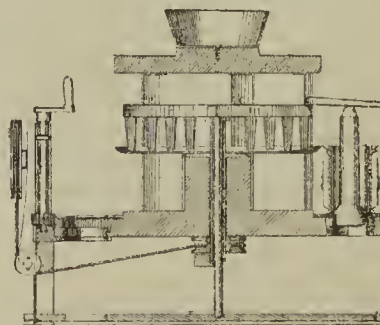
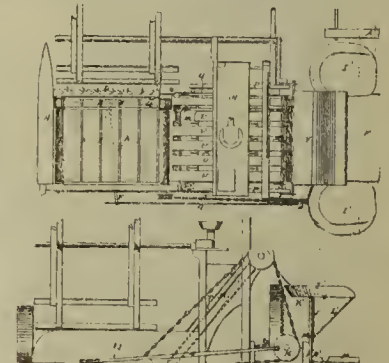
120,979 AUGUSTUS JORDAN,
APPARATUS FOR WATER-CLOSETS.JOHN MADDY, GRAFTING-TOOLS.
120,986

120,987 JAMES A. MALONEY,
SCOURING, AND DECORTICATING-MACHINES.120,993 MYERS AND SMITH,
MORTISING-MACHINES.121,001 LEWIN RACINE,
STOVE-PIPE DRUMS.120,988 JOB MANSIR,
WATCHMAKERS' CHUCKS.

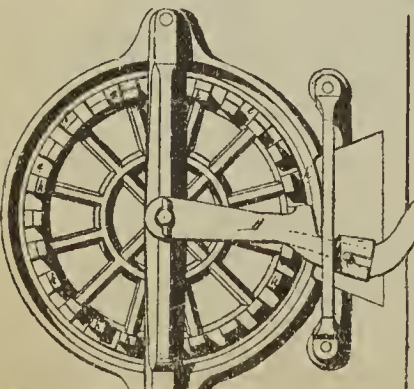
120,994 JOSEPH S. OAKLEY, LAWN-MOWER

121,002 WILLIAM L. RAYMENT,
LIFTING-JACKS.

120,989 BENJAMIN F. MEARS. FENCES.

MARY M. J. O'SULLIVAN,
DINNER-PLATE COVERS.120,990 HENRY METCALFE,
METALLIC CARTRIDGES.120,997 PHINEAS W. PHILLIPS,
CURTAIN-FIXTURES.121,003 WILLIAM RENNISON,
HARROWS.120,991 FREDERICK L. MILLER,
SOLDERING-APPARATUS.120,995 SYLVANUS C. PHINNEY,
CUTTING BOOT AND SHOE COUNTERS.121,004. CHARLES E. RICE,
MAIN-SPRING ATTACHMENTS FOR
WATCHES.120,999 MASON R. PIERCE,
DRAIN-PIPE MACHINES.121,005 ELI B. RICE, OF MADISON,
HARVESTERS.

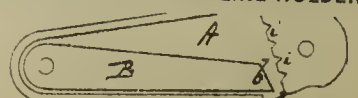
120,902 REES MOSS. STOVE-GRATES.



121,000 CLARK M. PLATT, BUTTONS.



121,006 JOHN D. SATER, LINE-HOLDERS.



121,007.

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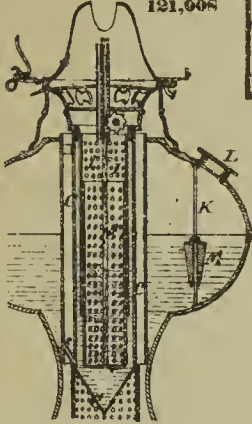
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121,007
DAVID SATTLER,
SAWS.

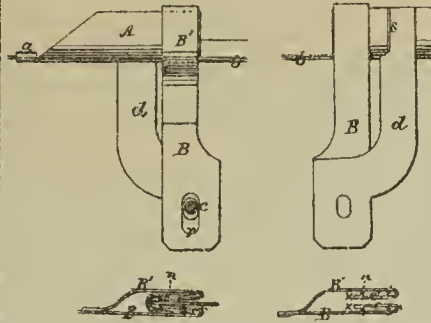


WILLIAM SCARLETT,
LAMPS.

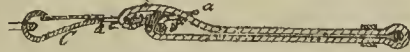
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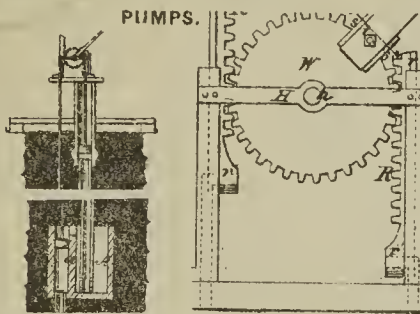
121,014 WILLIAM T. SMITH,
BINDING-GUIDES FOR SEWING-MACHINES



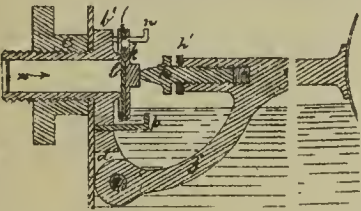
121,015 PHILIP A. SNYDER,
SNAPS AND BUCKLES COMBINED.



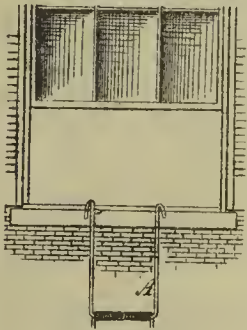
121,016 STECK AND ARNOLD,
PUMPS.



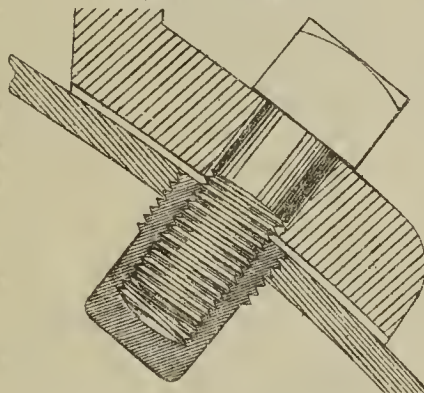
121,010. HERMANN SEYTER,
FEED-REGULATORS FOR LIQUIDS.



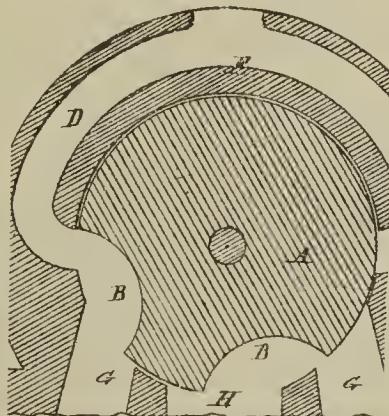
121,011 SHARP AND HOLLENBECK,
FIRE-ESCAPES.



121,017 ALLAN TALBOT,
THIMBLES FOR MAKING
ATTACHMENTS TO STEAM-BOILERS.



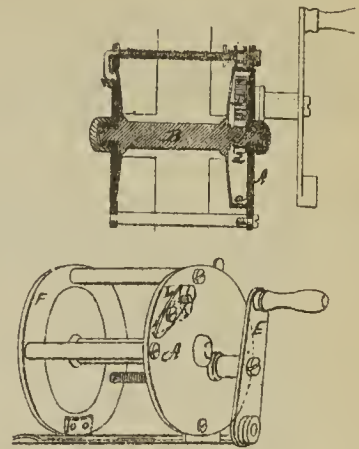
121,018 JULIUS F. TALLANT
ROTARY STEAM-VALVES.



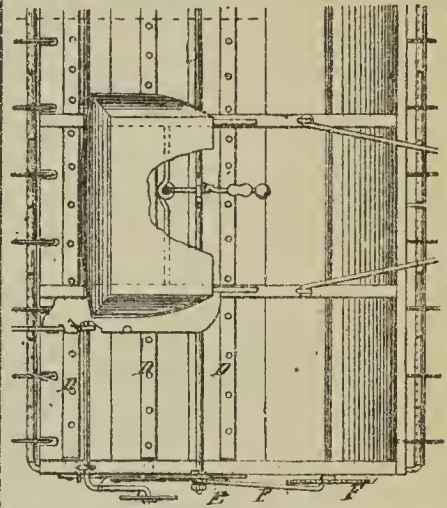
121,019 WILLIAM TEAMER,
STOVE-LIDS.



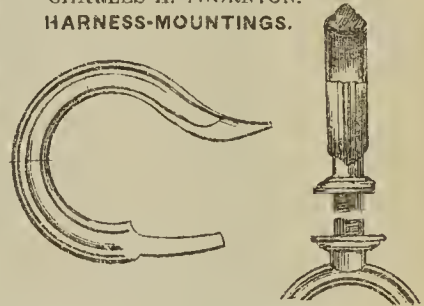
121,020 SILAS B. TERRY,
FISHING-REELS.



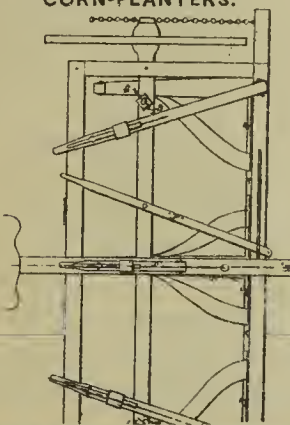
THARP AND THARP,
121,021 HARROWS.



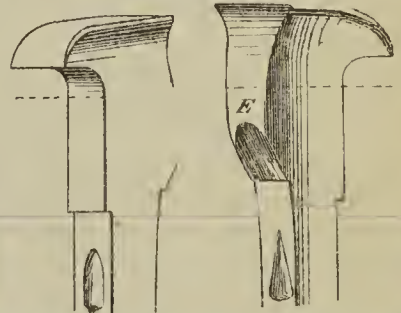
CHARLES H. THORNTON. 121,022
HARNESS-MOUNTINGS.



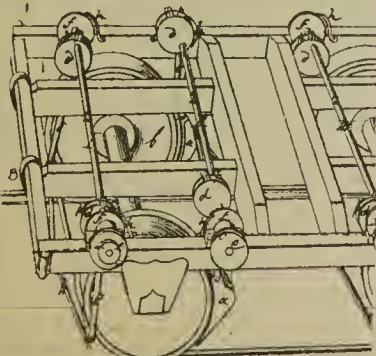
121,012 DAVID J. SHEERS,
CORN-PLANTERS.



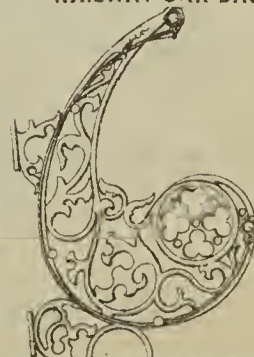
121,023 THEODORE R. TIMBY,
RAILROAD SPIKES.



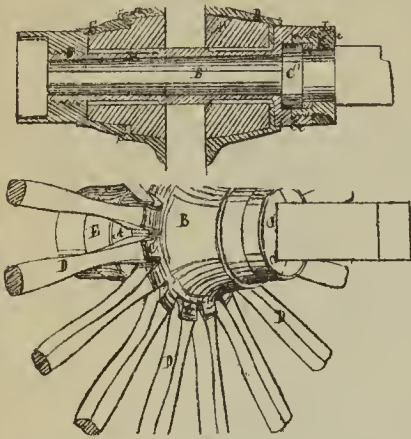
121,013 WILLIAM F. H. SMITH,
RAILWAY CAR-BRAKES.



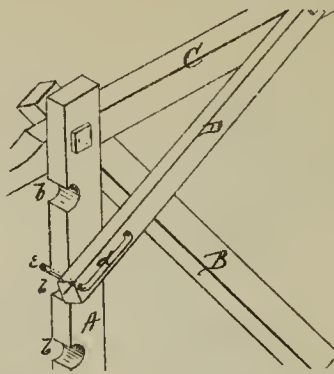
121,024 MORTON TOWER,
RAILWAY CAR-BASKETS.



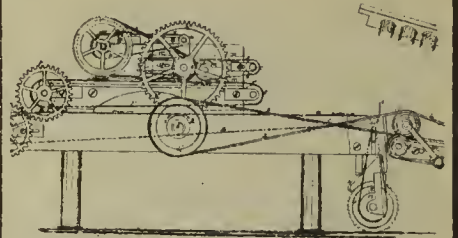
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HUBS FOR CARRIAGE-WHEELS.



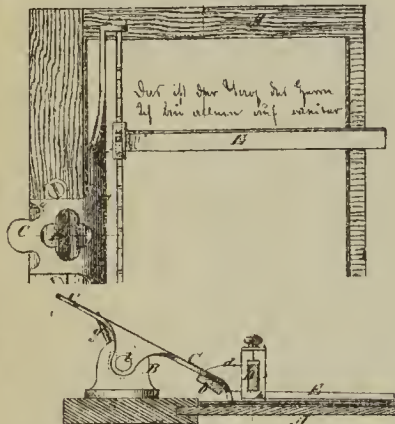
121,030 JAMES WEATHERS.
WAGON-JACKS.



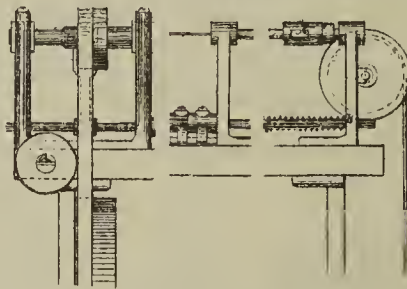
4,634 OLIVER RICE CHASE,
MANUFACTURE OF LOZENGES.



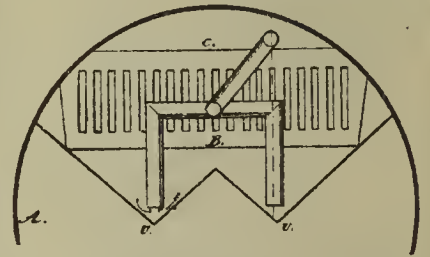
121,026 ARTHUR VON BRIESEN.
WRITING APPARATUS FOR THE BLIND



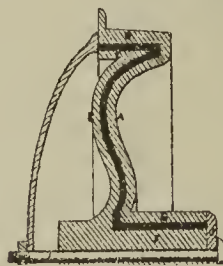
121,031 GEORGE W. WEEKS.
LOOP-BANDING MACHINES.



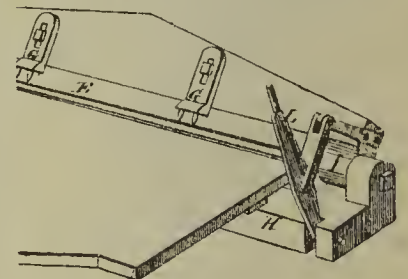
4,635 COLLINS WOOD DEANE,
SEDIMENT-COLLECTORS
FOR STEAM-BOILERS.



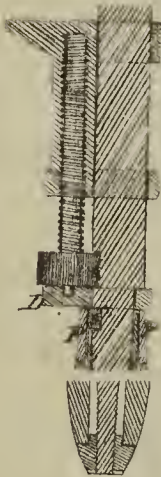
121,032 JAMES M. WHITING,
ELASTIC CAR-WHEELS.



4,636 THEODORE E. HARRIS,
SHEARING AND PUNCHING SHINGLE-STRAPS.



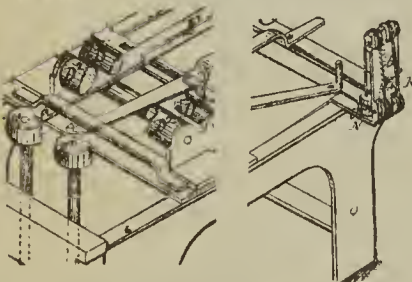
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WRENCHES.



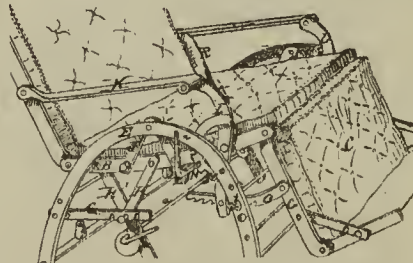
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HANKS FOR SAILS.



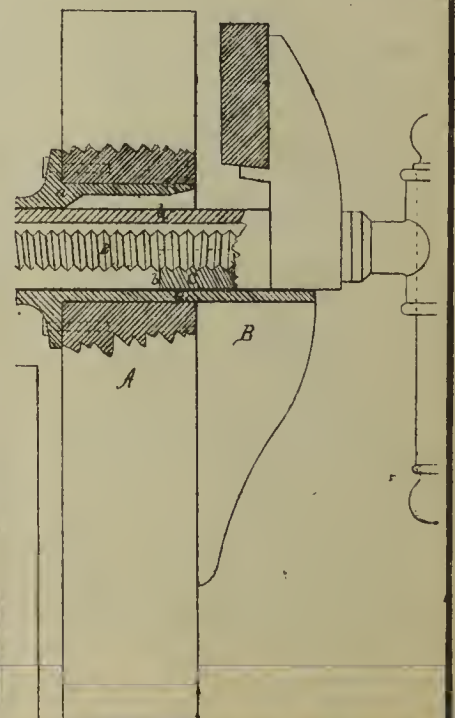
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PLANING-MACHINES.



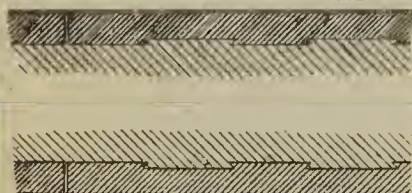
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IRON FOLDING-CHAIRS.



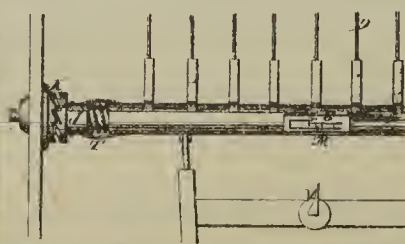
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121,029 DAVID H. WATTS,
TILES.

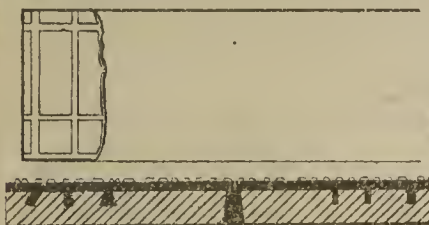
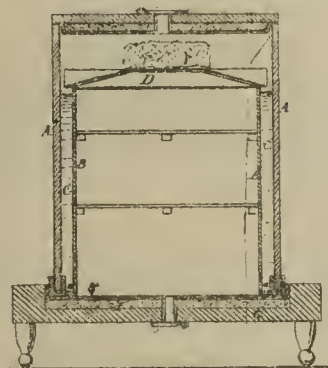
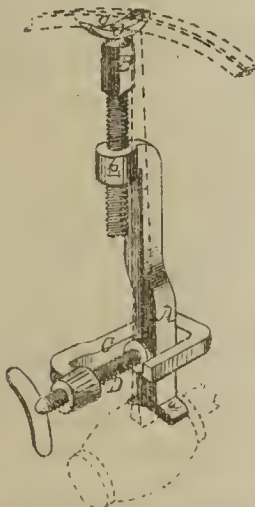
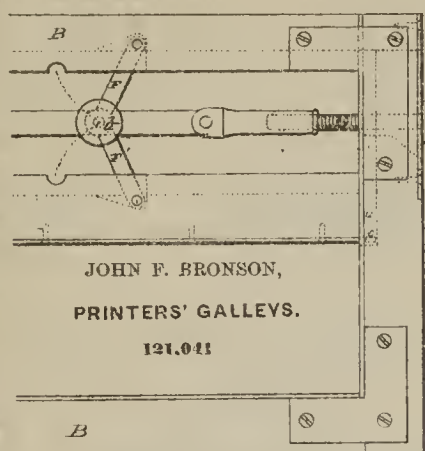
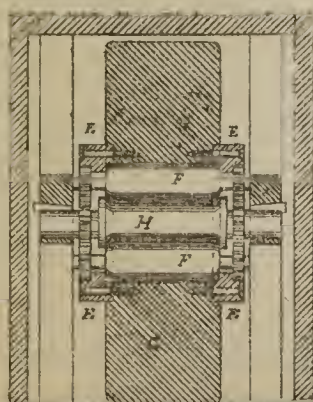
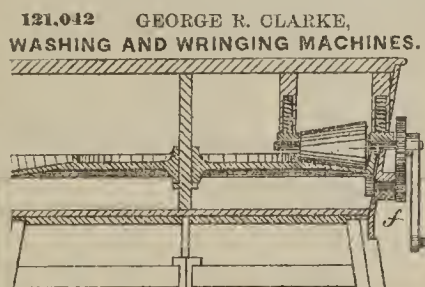
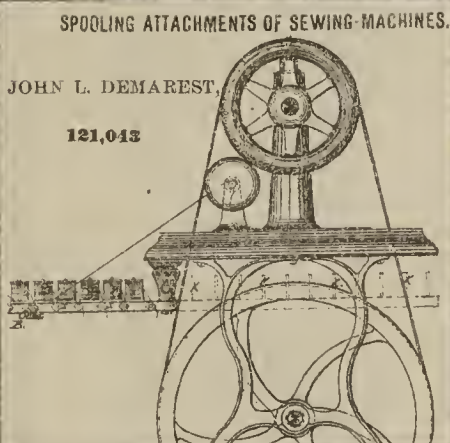


121,035 JAMES E. WISNER,
HORSE HAY-RAKES.



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NOVEMBER 21, 1871.

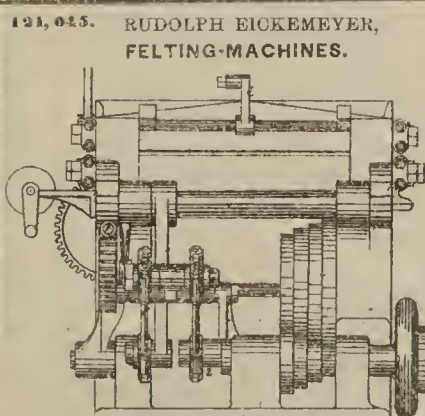
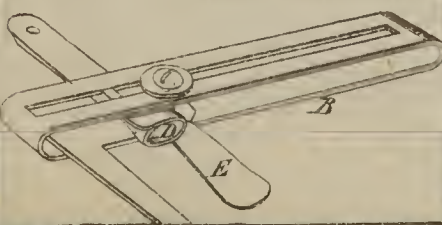
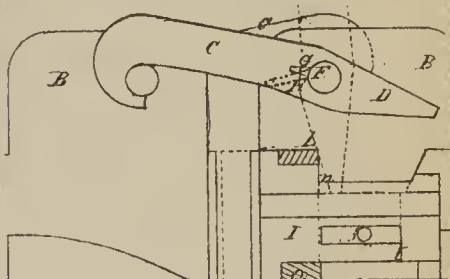
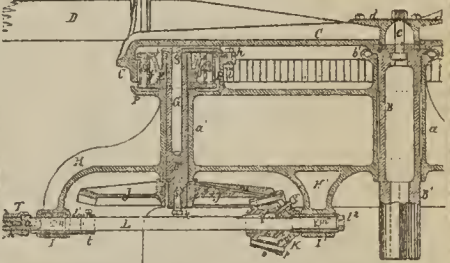
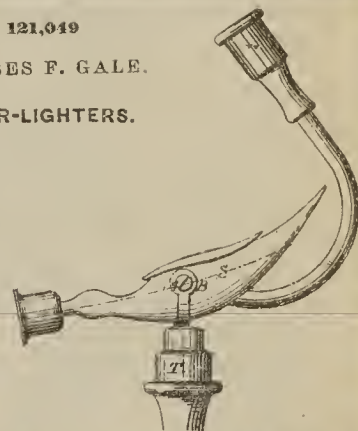
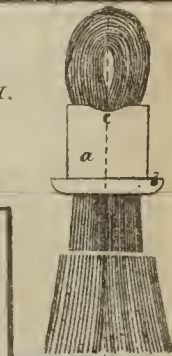
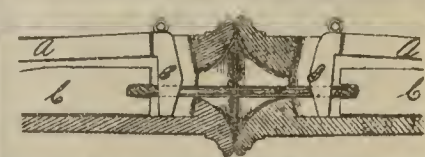
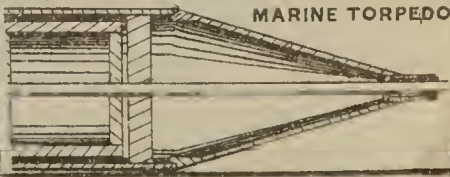
121,036 FRANK H. AIKEN, STEREOTYPES.

121,037
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121,041121,042 GEORGE R. CLARKE,
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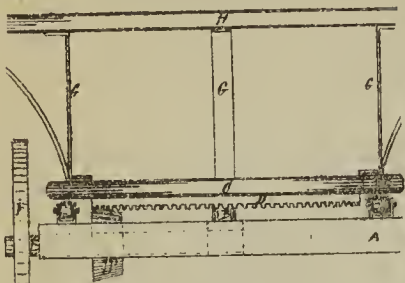
SPOOLING ATTACHMENTS OF SEWING-MACHINES.

JOHN L. DEMAREST,

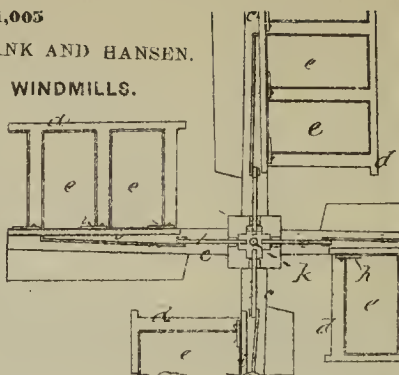
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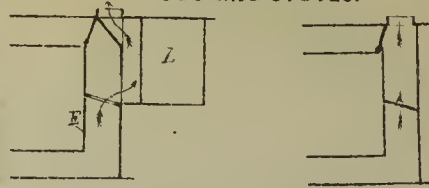
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TABLES FOR HARVESTERS.



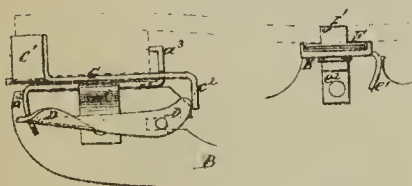
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121,101 LEVI HERMANC,
COOKING-STOVES.



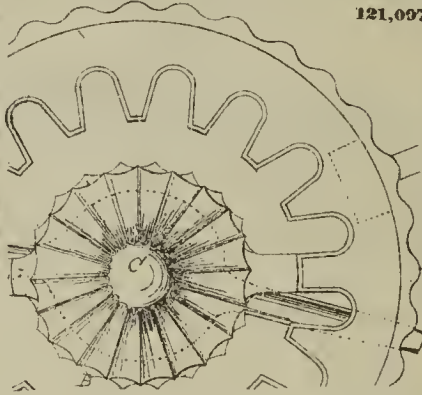
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SKATE-FASTENINGS.



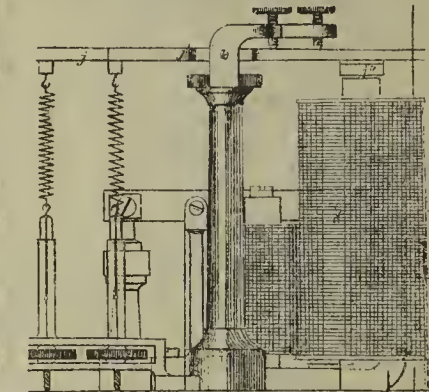
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KEYS FOR SEWING-MACHINE LOCKS.



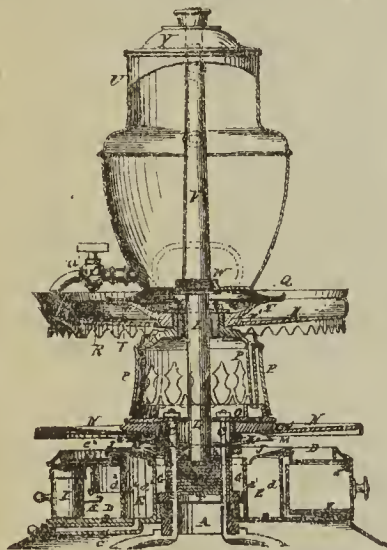
WILLIAM A. GREENE, STOVE-GRATES.
121,097



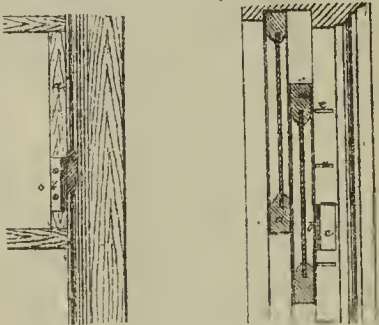
121,102 RICHARD HERRING.
PRINTING-TELEGRAPHS.



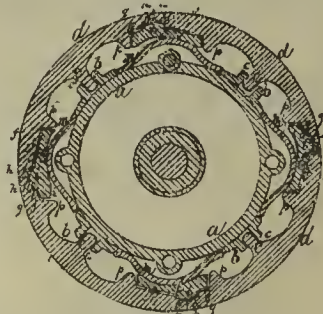
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REVOLVING URN AND SPICE STANDS.



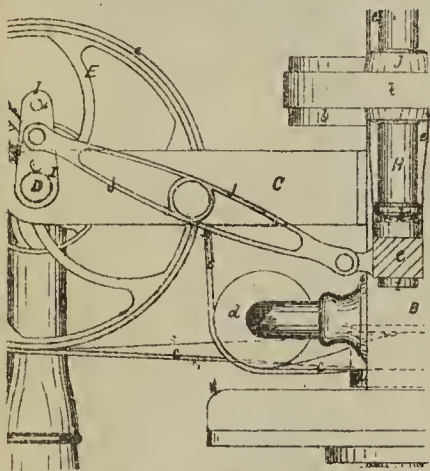
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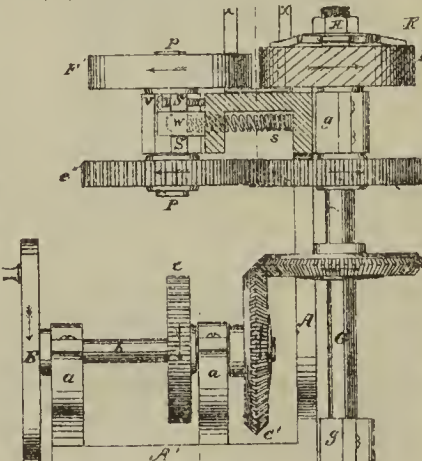
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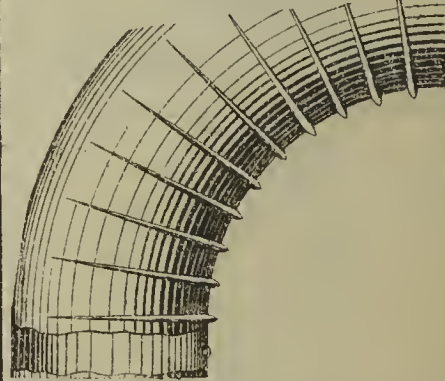
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BORING AND MORTISING BLIND-SLATS.



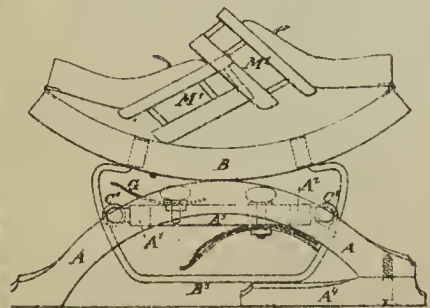
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LETTER-STAMPING APPARATUS.



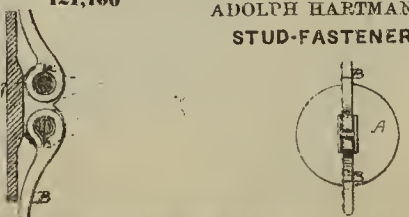
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STOVE-PIPE ELBOWS.



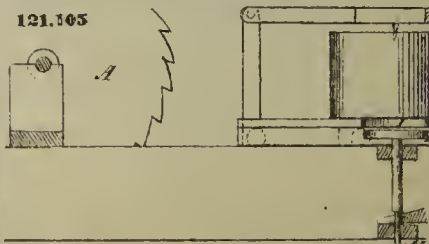
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ROCKING APPARATUS.



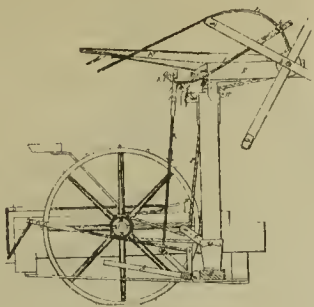
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STUD-FASTENERS.



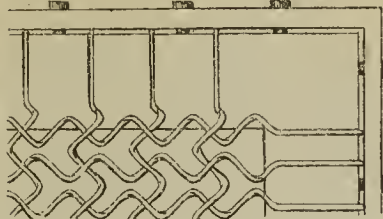
ELISHA HUGHES, SHINGLE-MACHINES.
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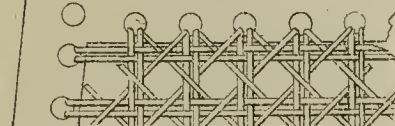
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REELS AND CUT-OFFS FOR HARVESTERS.



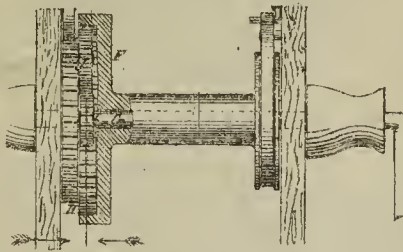
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BED-BOTTOMS.



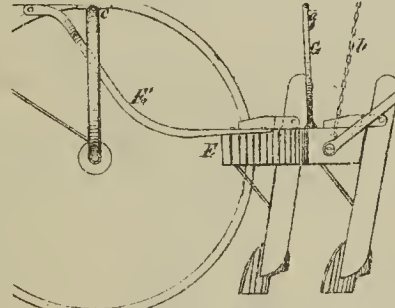
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CHAIR-SEATING.



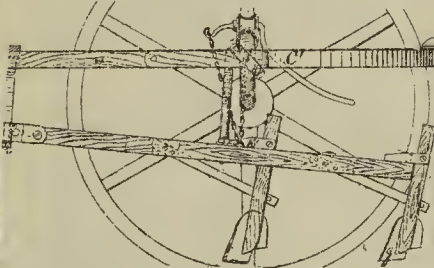
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HOISTING-MACHINES.



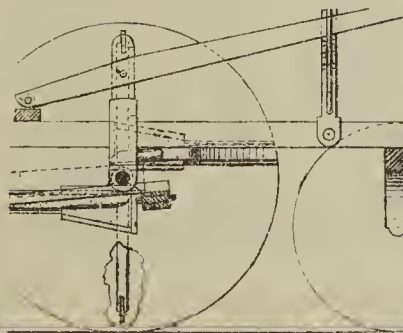
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CULTIVATORS.



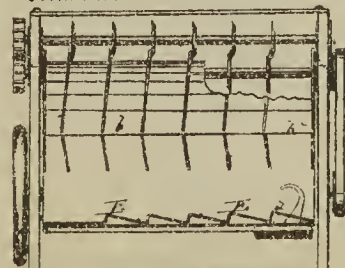
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CULTIVATORS.



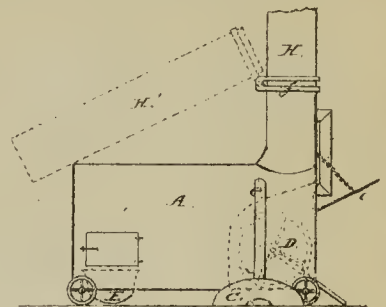
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CORN-PLANTERS.



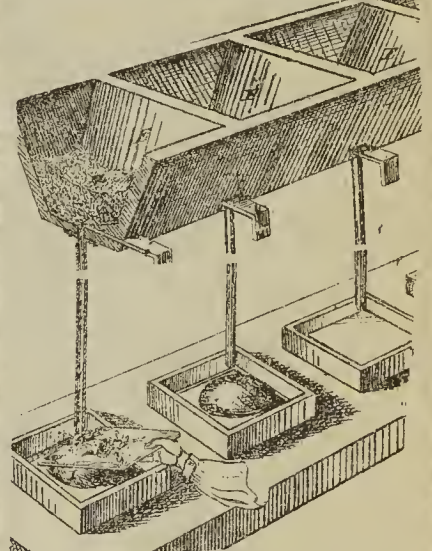
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CUTTING AND ASSORTING PLAYING-CARDS.



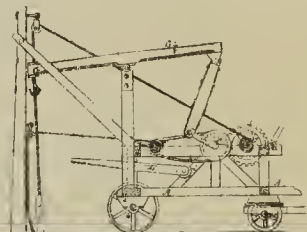
121,118 MCKENZIE AND STEBBINS
APPLIANCES FOR PREPARING AND USING THE SAME.



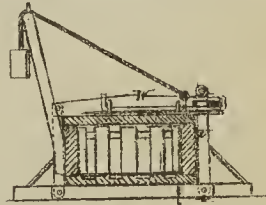
121,119 GEORGE F. MORSE,
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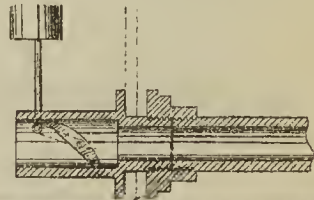
121,120 LYCURGUS NELSON,
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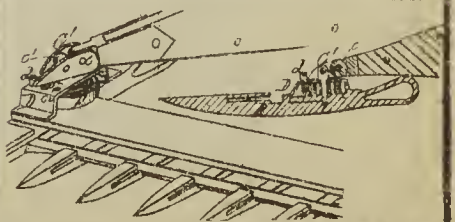
121,121 JOHN DAY NIX,
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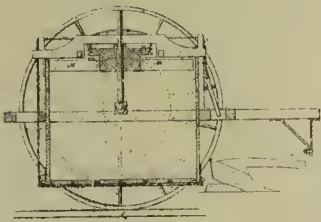
121,122 NICHOLAS NOLAN,
FEED-WATER REGULATORS.



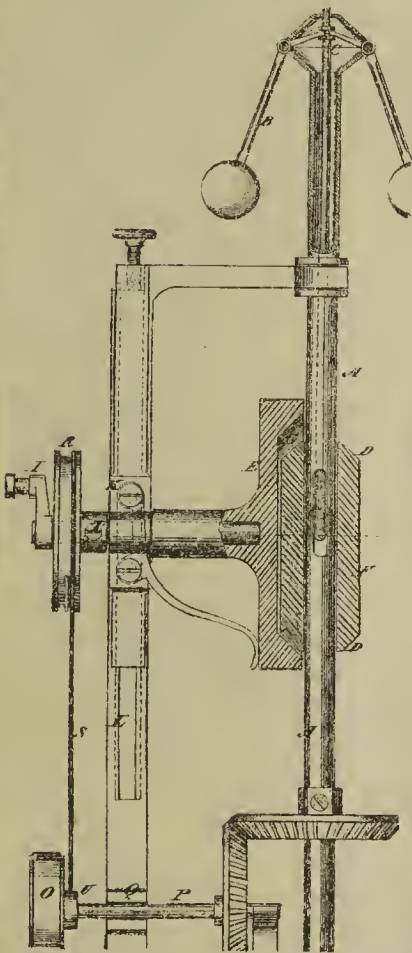
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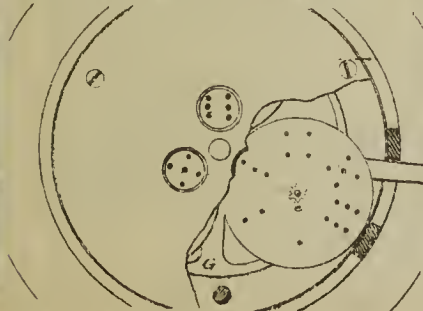
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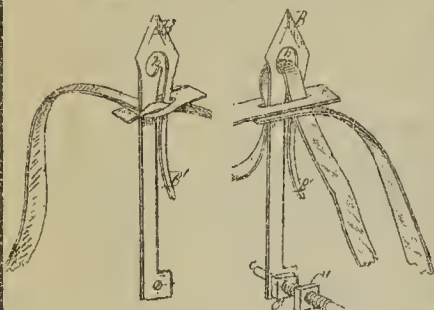
121,109 AARON K. KLINE,
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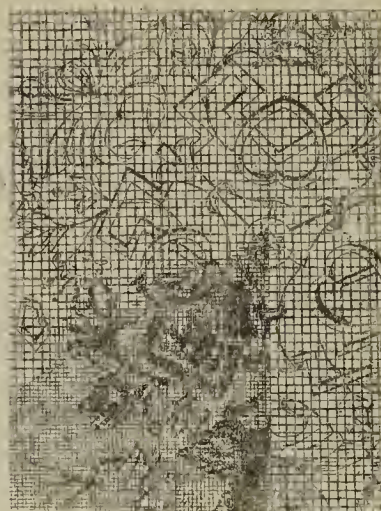
121,110 ADOLPH KLINGENBURG,
MECHANICAL DICE APPARATUS.



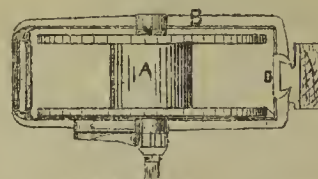
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LEEMAN C. PALMER.
SLITTING AND LOOPING RAGS FOR CARPETS.

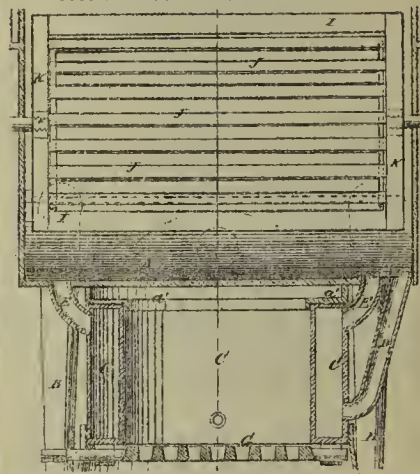
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ISAAC REHN,
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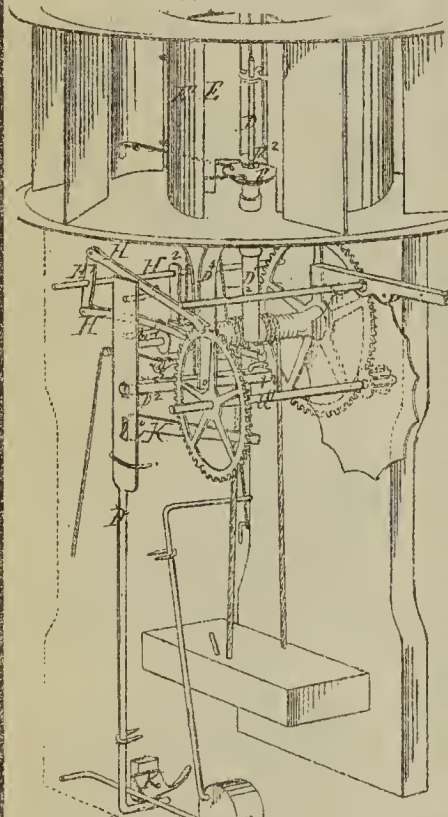
CHARLES H. STRAFFIN,
CLOTHES-LINE REELS.

121,136

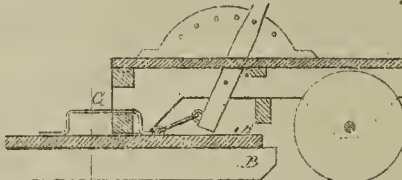
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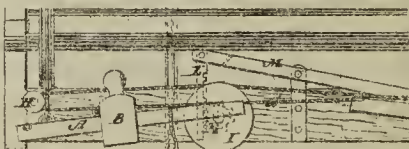
LEWIS PATRICK, WINDMILLS.



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SAMUEL D. REYNOLDS,
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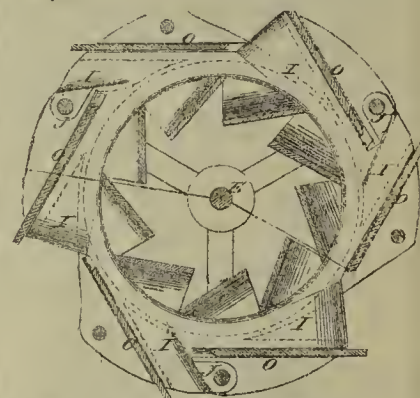
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CHARLES SCHILLING,
MECHANISMS FOR LOOMS.

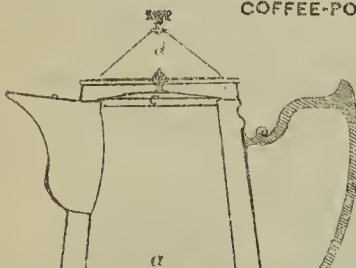
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THOMAS R. SCOTT,
LIFE-PRESERVERS.

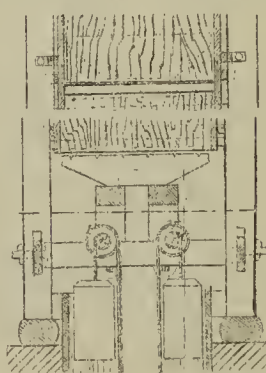
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DE WITT C. TELLER,
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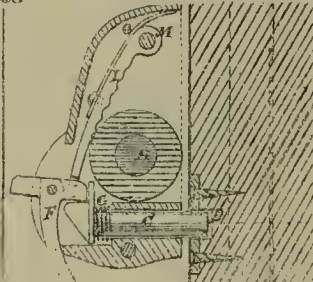
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JAMES WILLARD PATTERSON
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JOHN J. SIVLEY,
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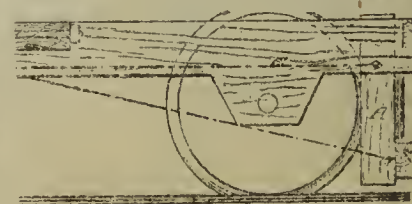
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CHARLES T. TESSIER,
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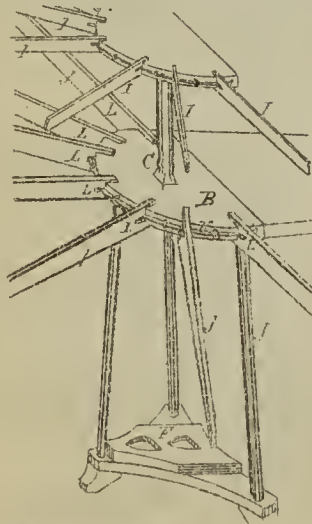
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121,141.

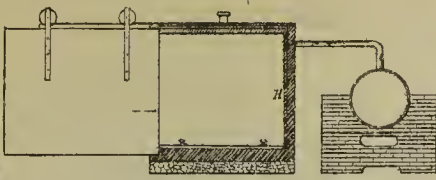
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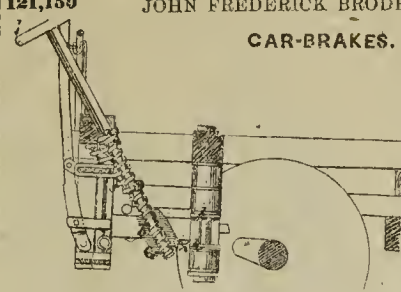
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James Grover Voorhees.

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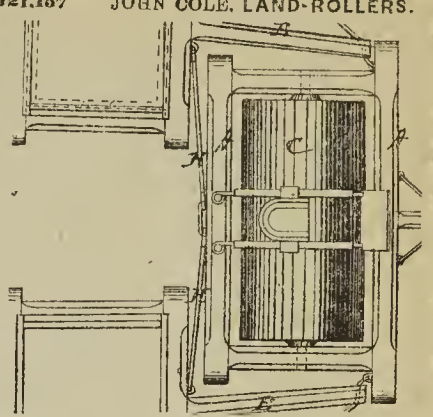


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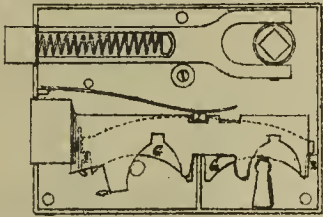
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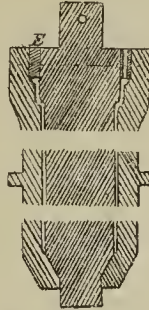
JOHN COLE, LAND-ROLLERS.



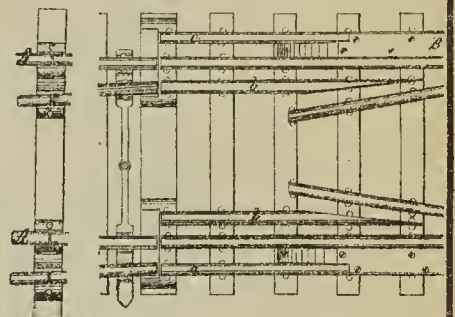
121,142 NELSON WARREN, DOOR-LOCKS.

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APPARATUS FOR CASTING PIPES.

121,151

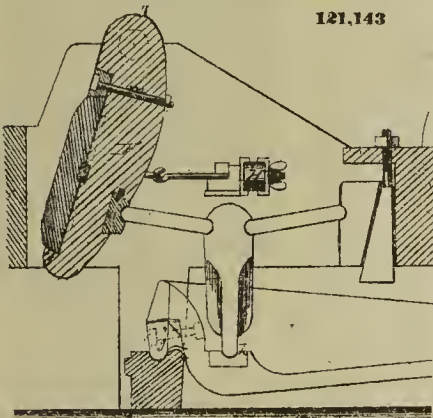


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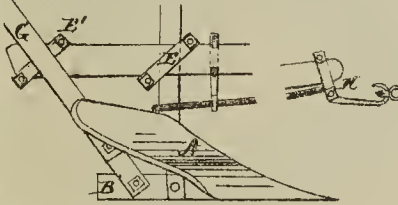
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RAILWAY SWITCHES.

PETER WOOD, STONE-CRUSHERS.

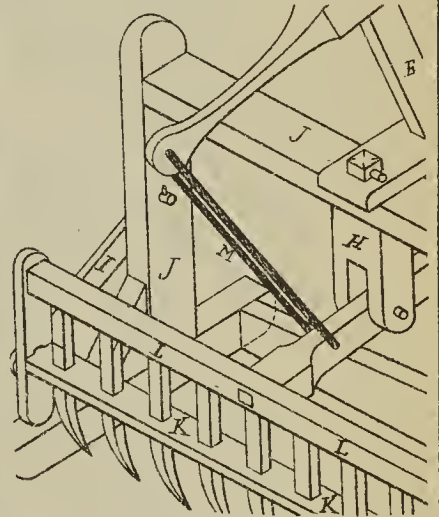
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121,153 LUTHER E. BURDIN, PLOWS.

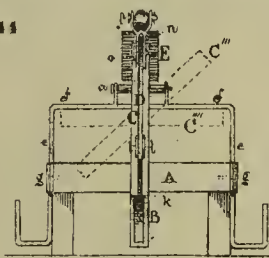


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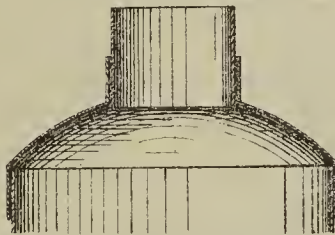
LUCIAN A. CROCKETT,
HORSE HAY-RAKES.

WILLIAM M. WRIGHT, SAWING-MACHINE

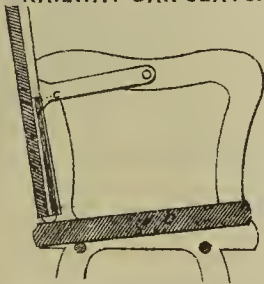
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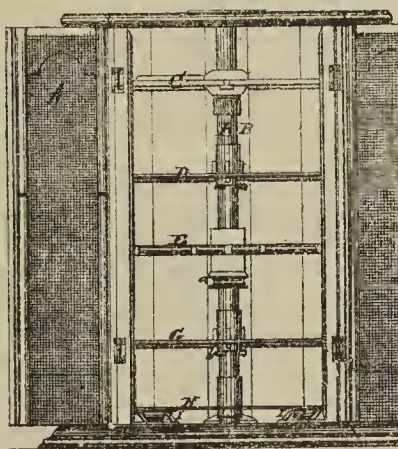
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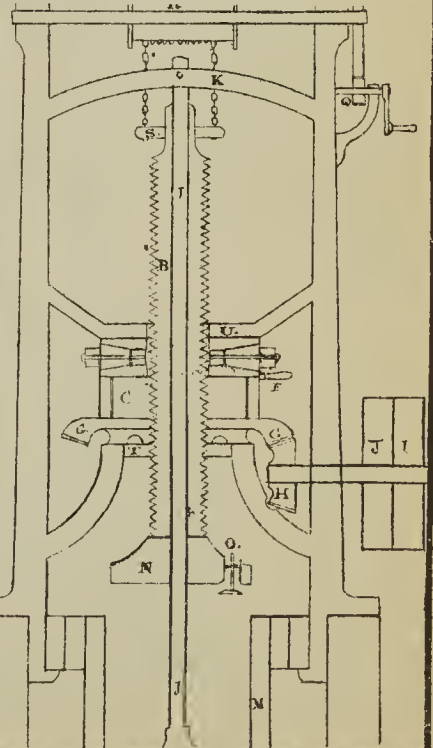
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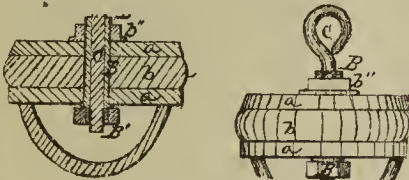
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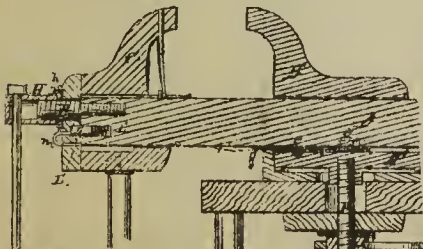
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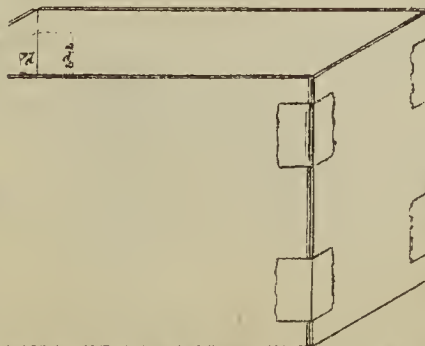
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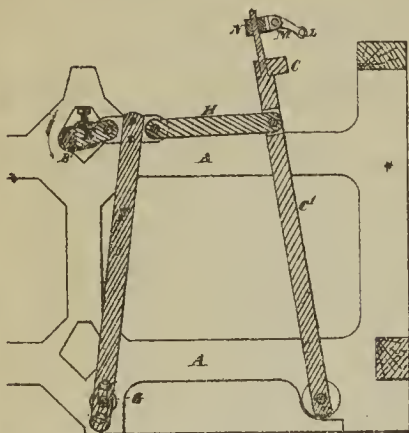
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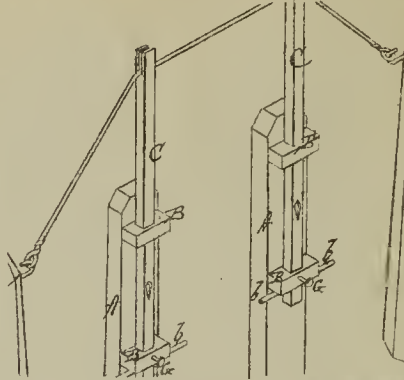
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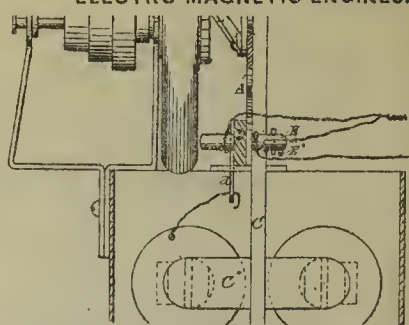
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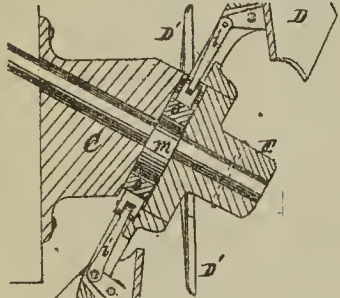
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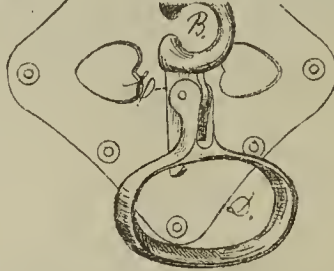
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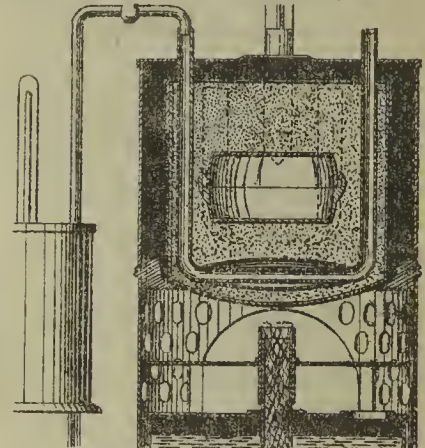
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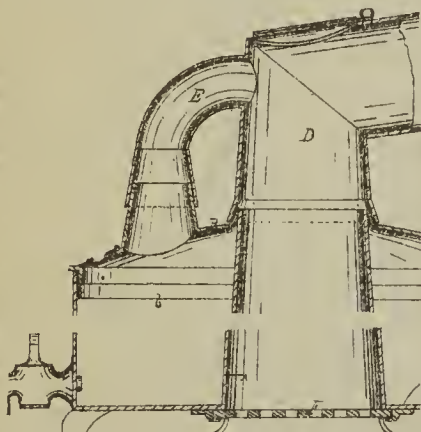
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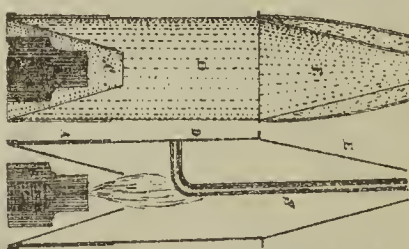
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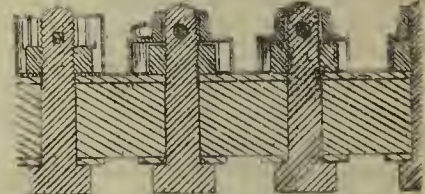
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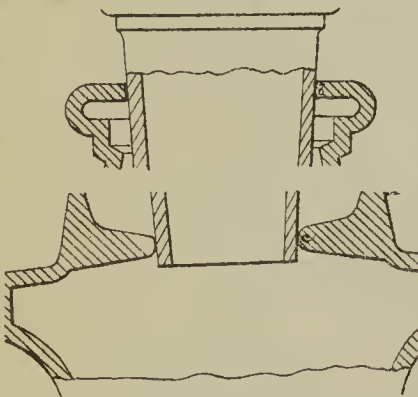
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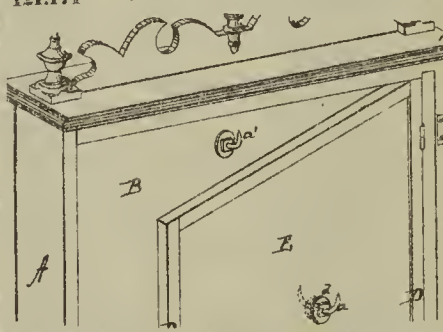
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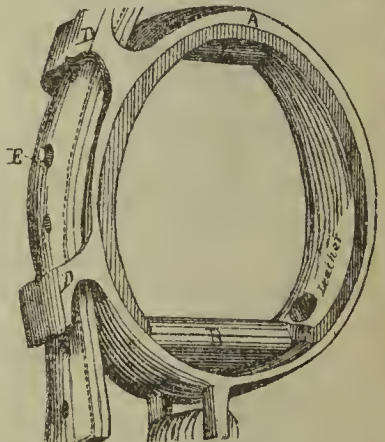
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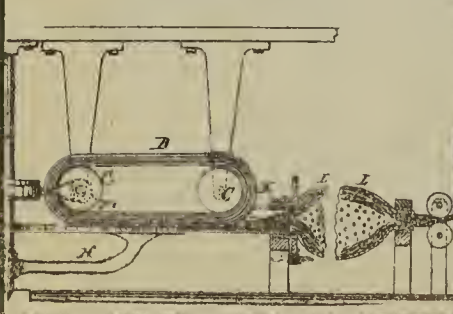
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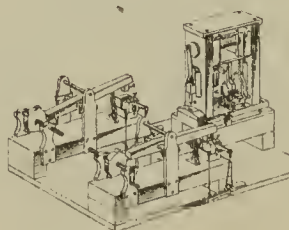
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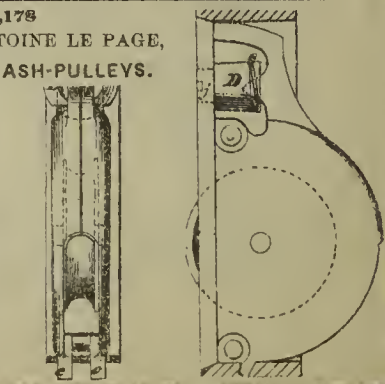
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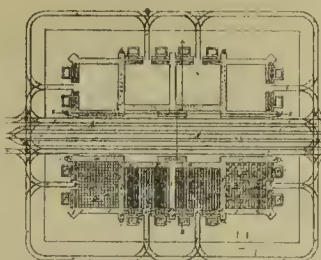
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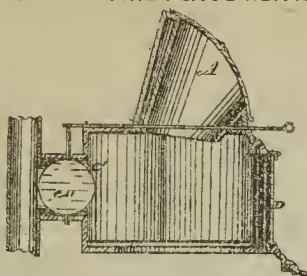
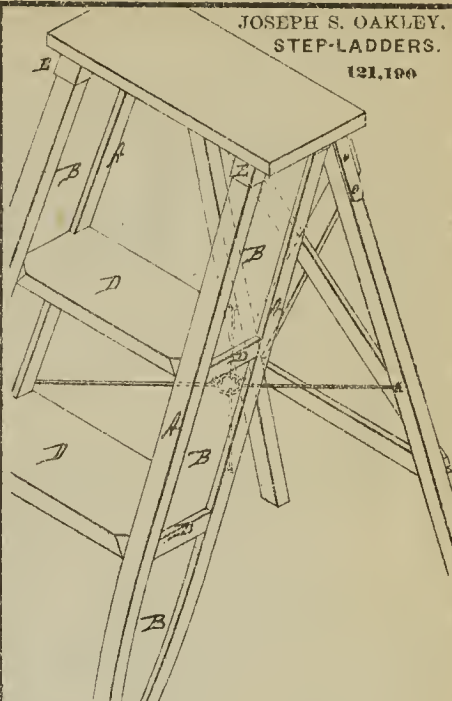
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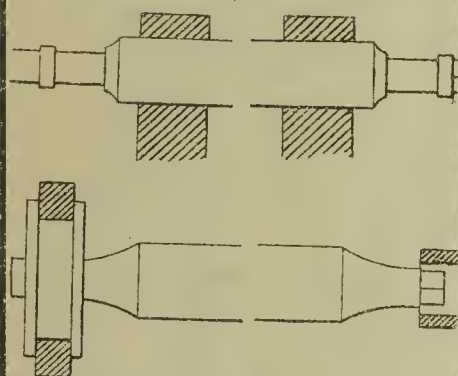
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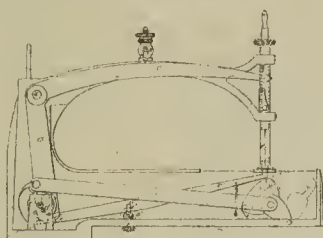
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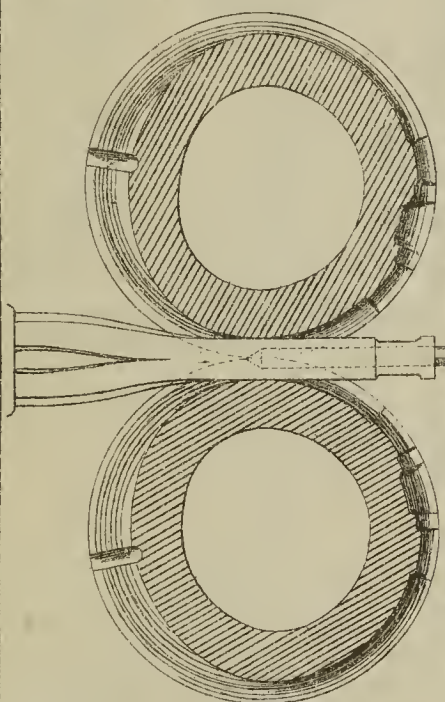
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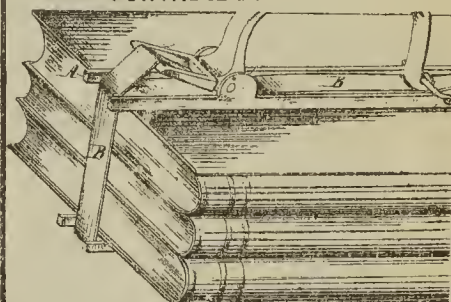
121,186 LINCOLN A. MERRIAM, SEWING-MACHINE



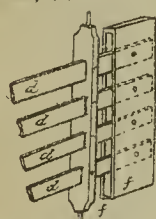
121,187 JAMES MONTGOMERY, CONSTRUCTING AXLES.



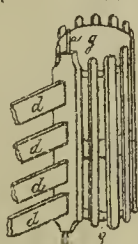
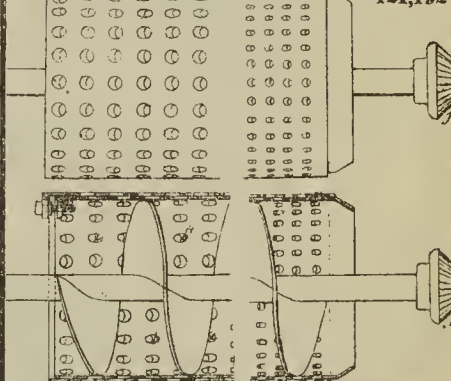
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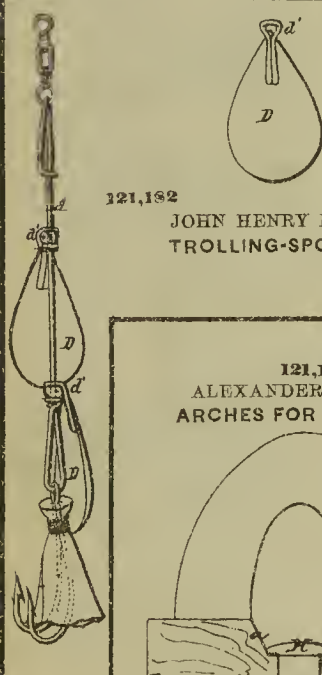
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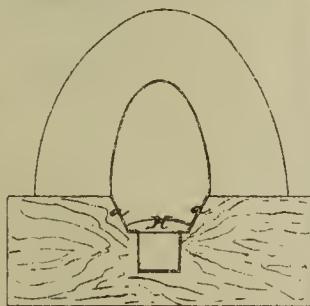
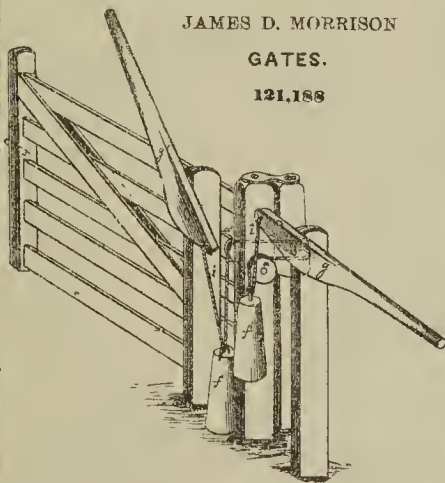
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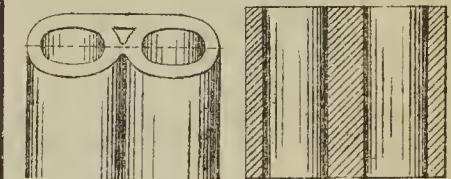
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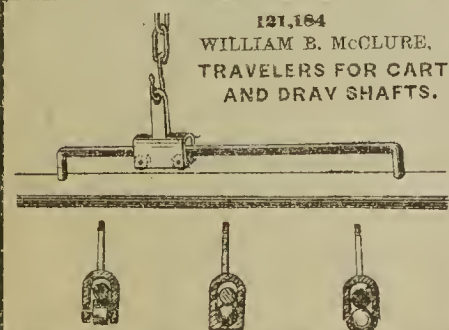
121,183 ALEXANDER McBRIDE, ARCHES FOR LIME-KILNS.

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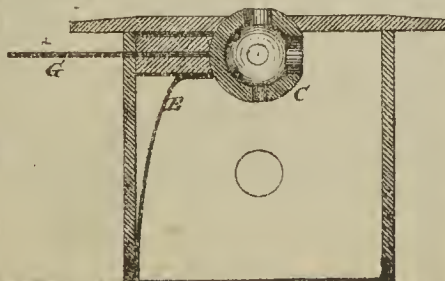
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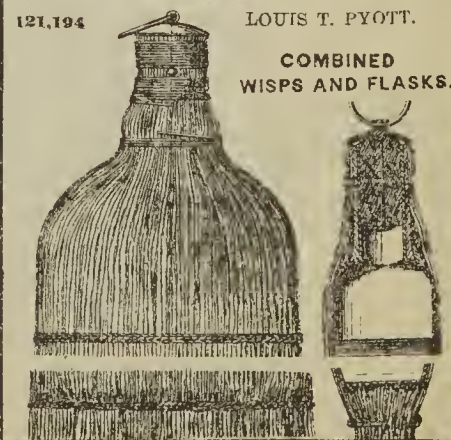
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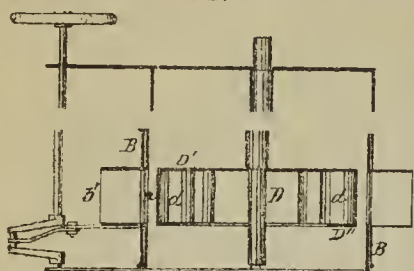
121,189 JOHN NELSON, TUVRE-IRONS.



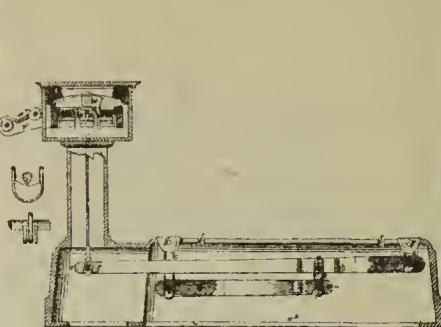
121,194 LOUIS T. PYOTT, COMBINED WISPS AND FLASKS.



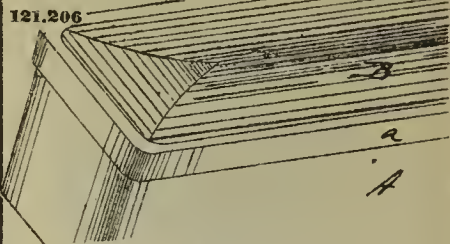
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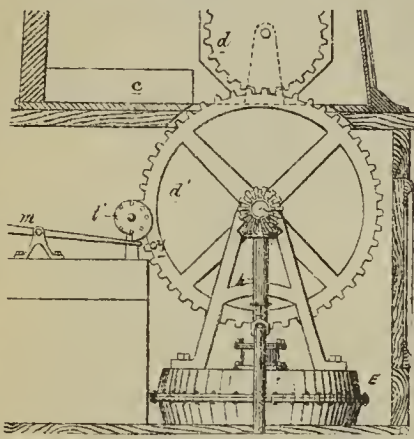
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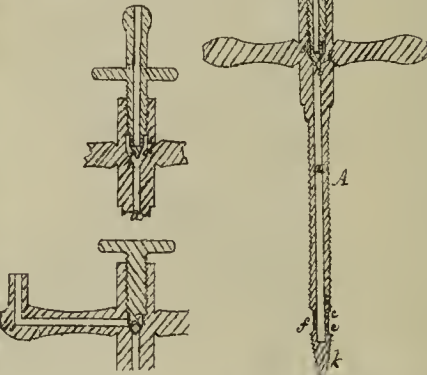
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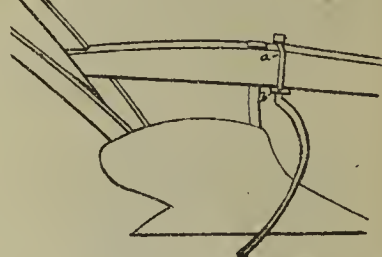
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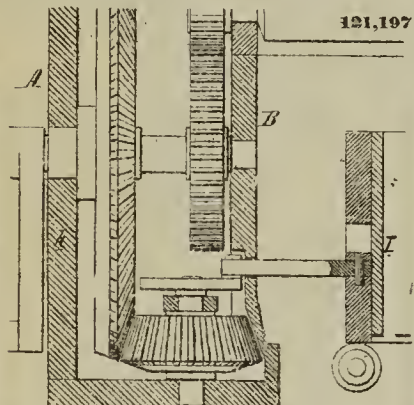


121,207 GEORGE B. SMITH, STUBBLE-TURNERS FOR PLOWS.

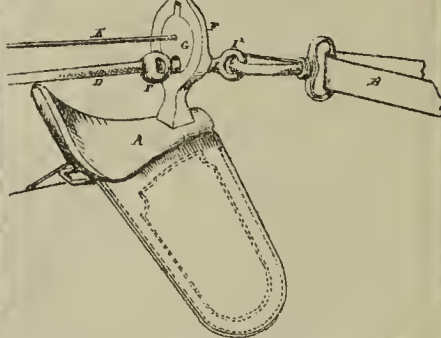


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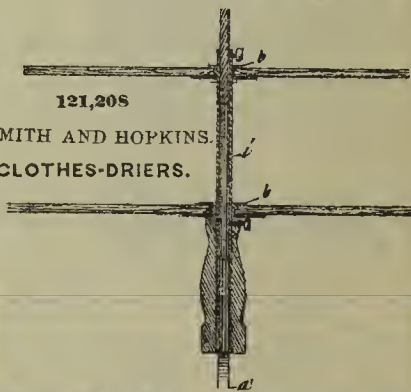
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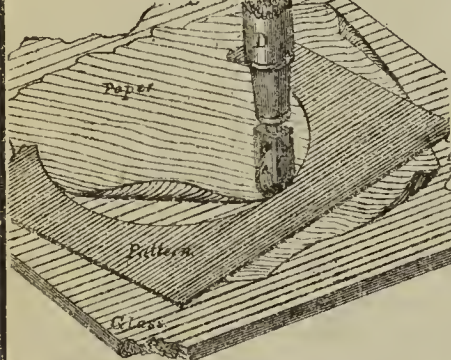
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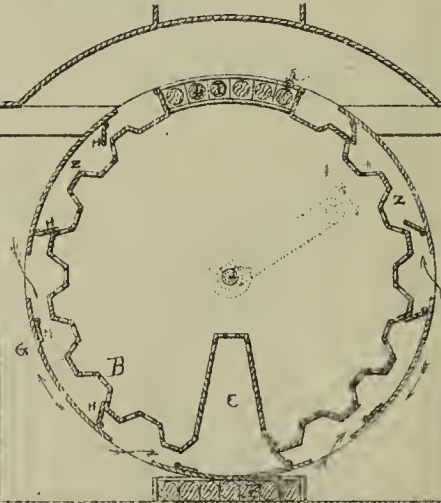
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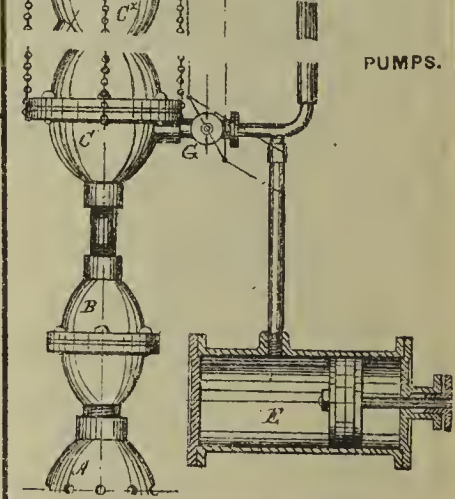
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121,203 JOSEPH J. SCHROYER, WASHING-MACHINE

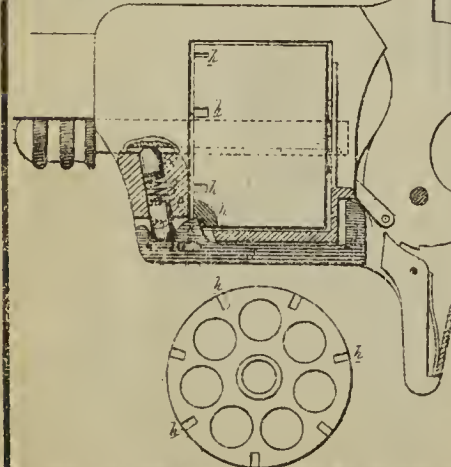


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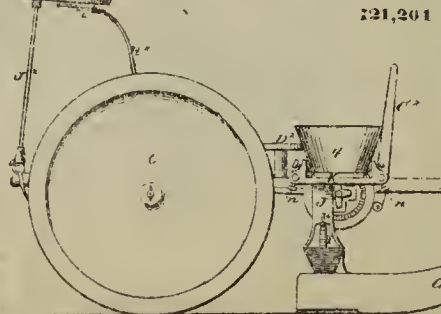
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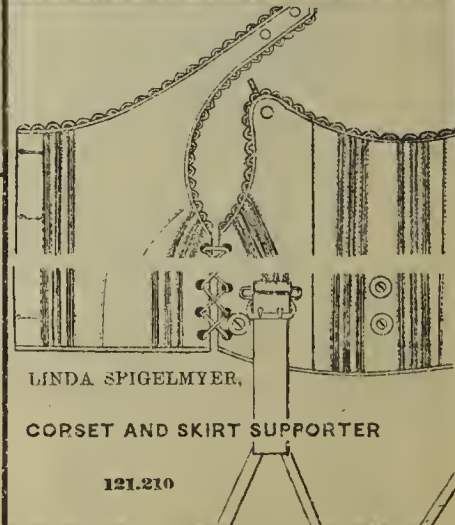
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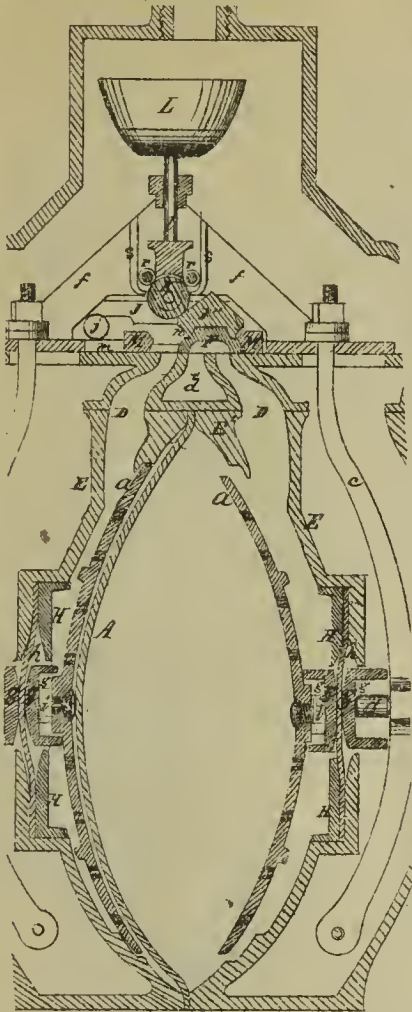


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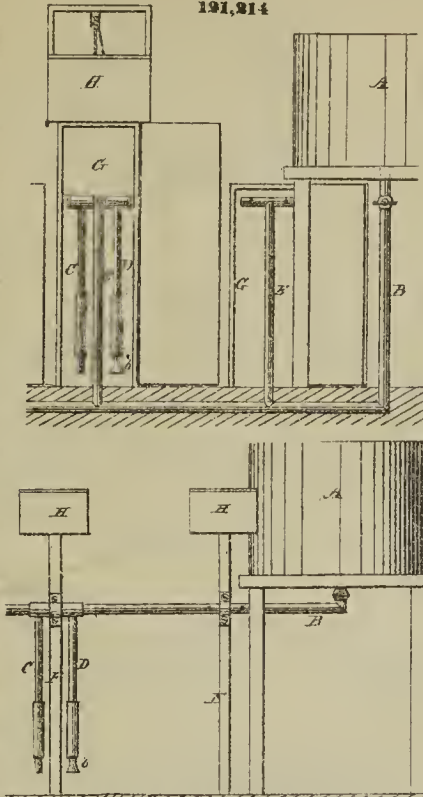
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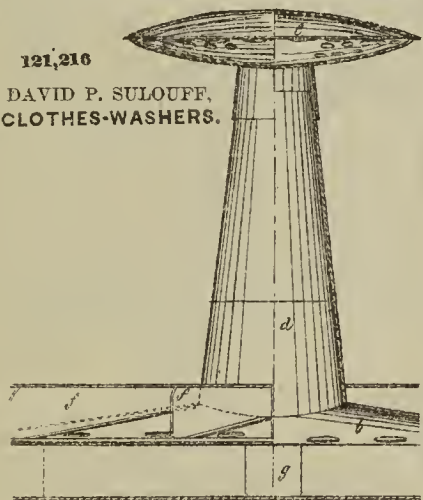
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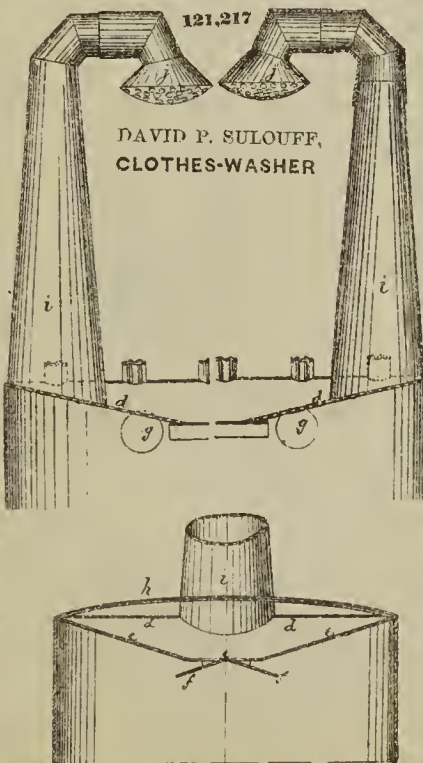
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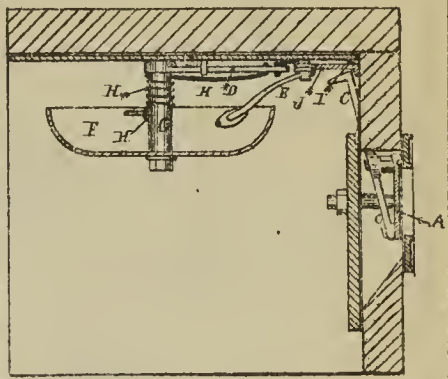


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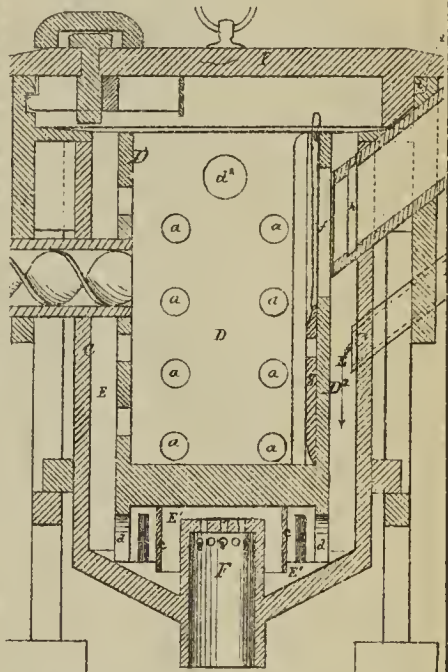


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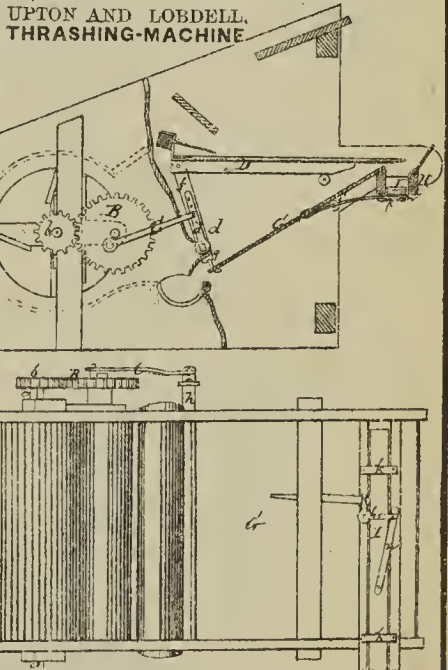
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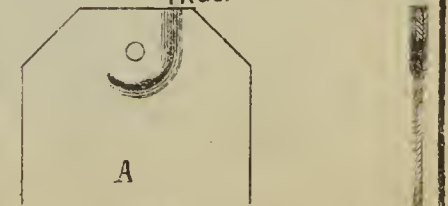
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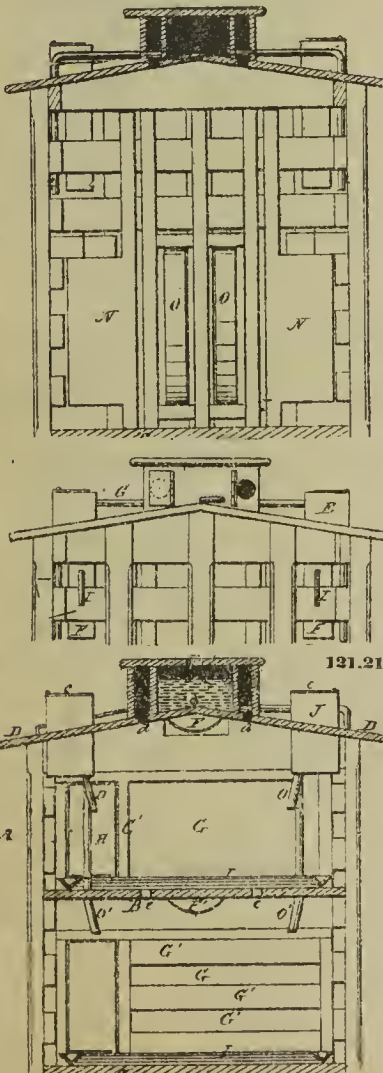


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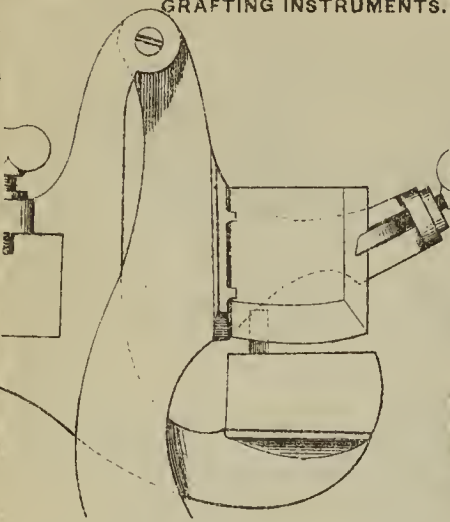
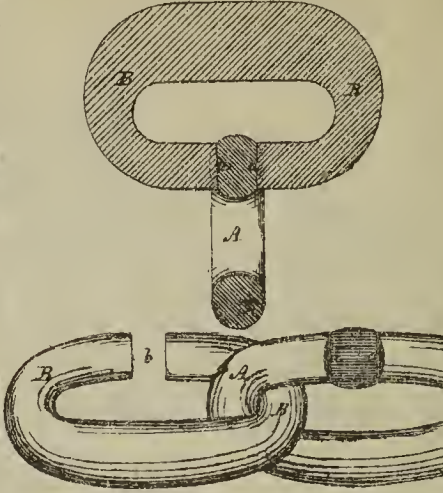
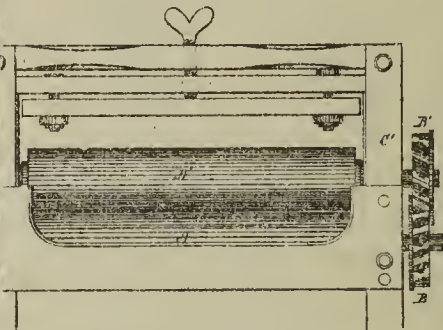
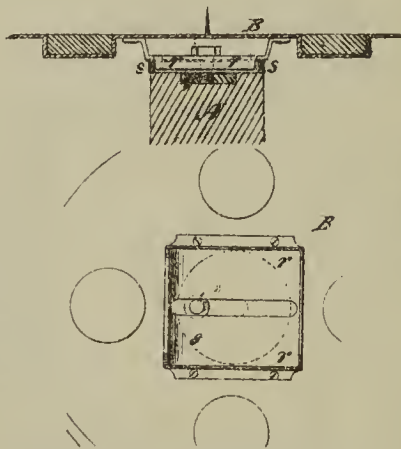
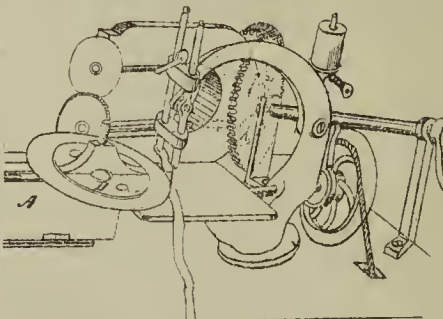
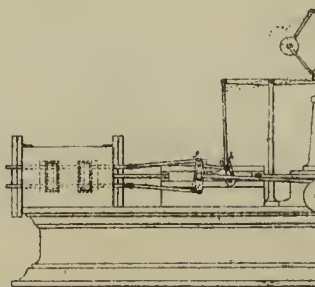
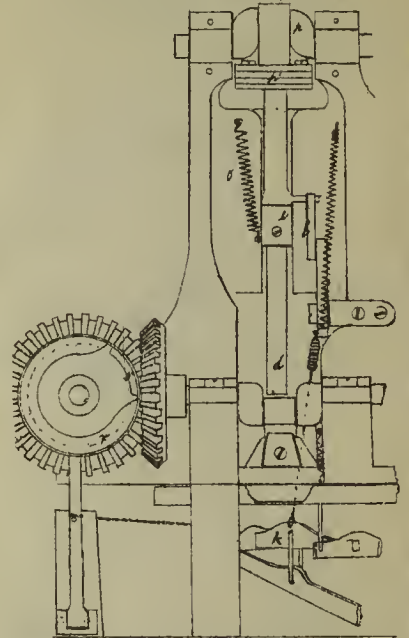
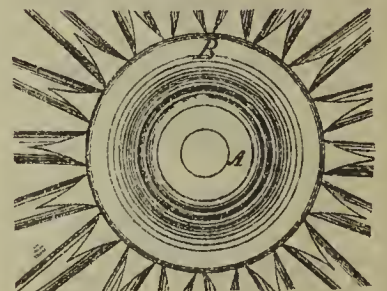
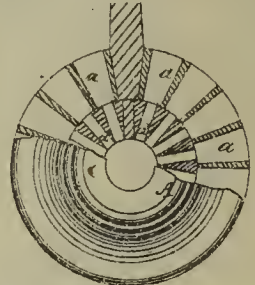
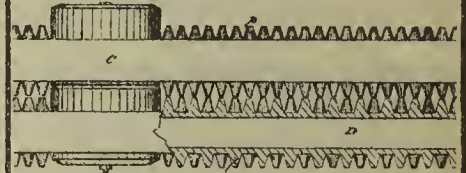
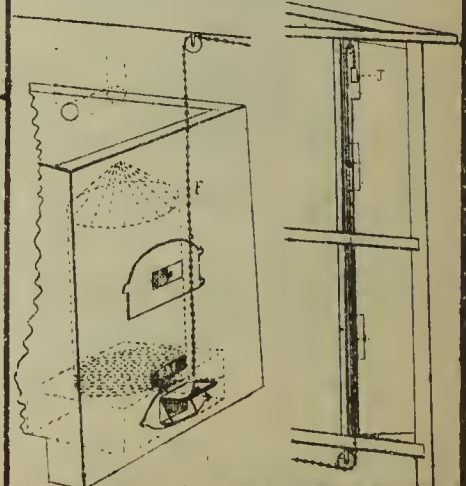
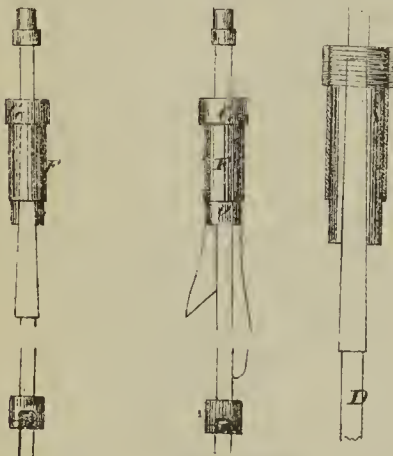
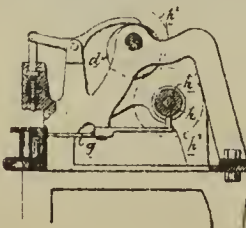
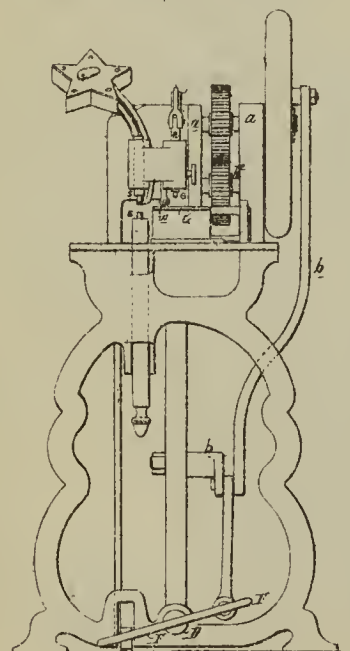


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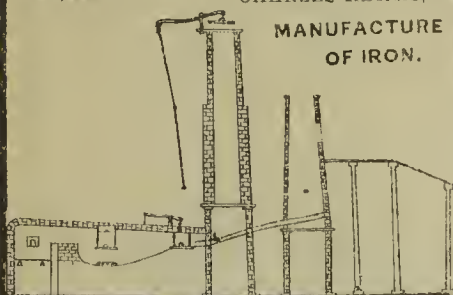
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CHARLES ADAMS,
MANUFACTURE
OF IRON.



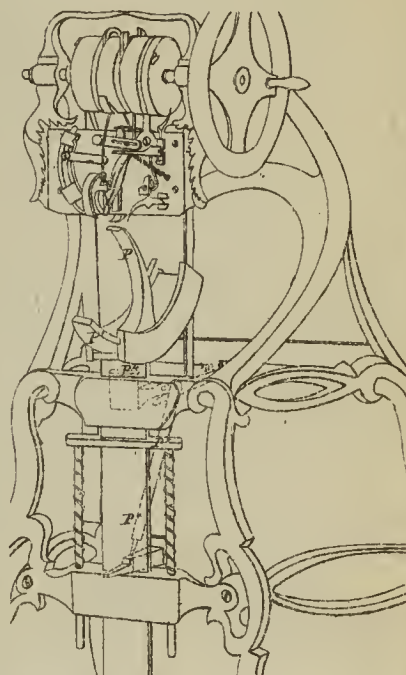
121,231

ERNST BREDT,
STUDS FOR SHIRTS.

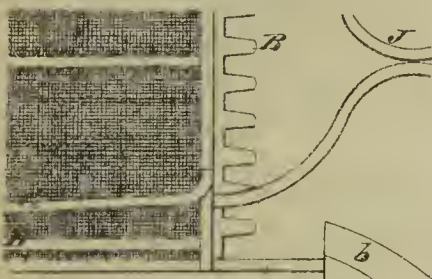


121,237

WILLIAM DUCHEMIN,
SEWING-MACHINES
FOR BOOTS AND SHOES.

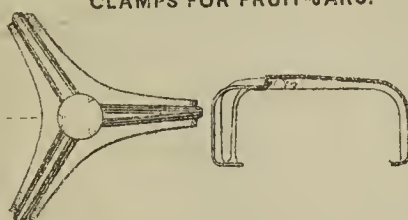


WILLIAM CORNELIUS BAKER,
121,227 OYSTER-DREDGES.



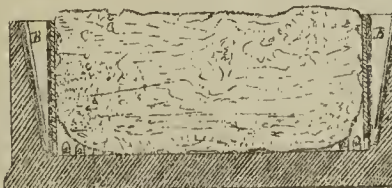
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IRA BUCKMAN, JR.
CLAMPS FOR FRUIT-JARS.



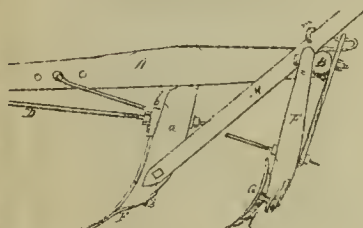
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SETH C. CATLIN,
SPONGE-CUPS.



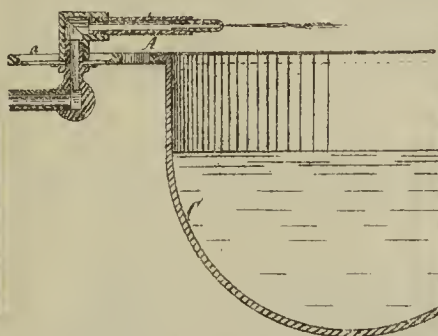
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JOHN W. BLAKE,
CULTIVATORS AND HORSE-HOES.



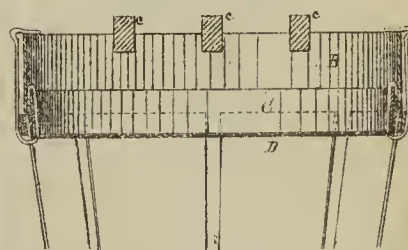
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GUSTAVUS OUPERS,
ILLUMINATING APPARATUS.



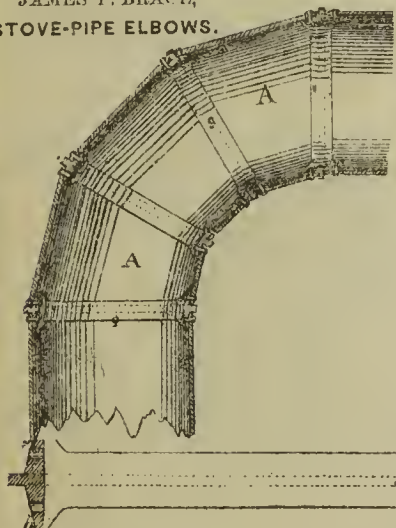
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AARON S. DYCKMAN,
COVERS FOR FRUIT-BASKETS.



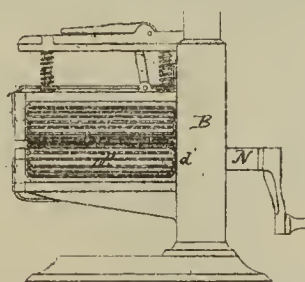
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JAMES P. BRACE,
STOVE-PIPE ELBOWS.



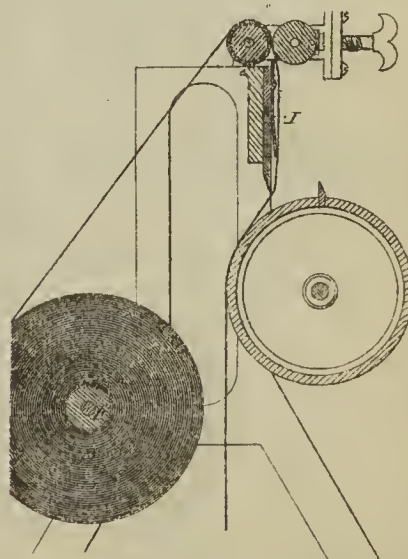
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EDWARD MORTIMER DEEY,
FLUTING-MACHINES.

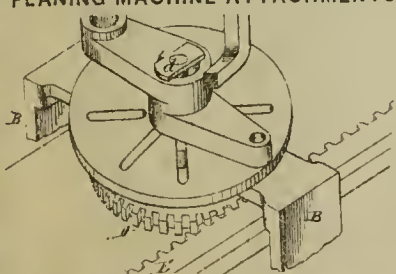


121,239

FRANK A. FLETCHER
PAPER-CUTTING MACHINES.

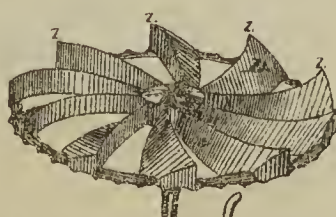


121,230 BRASTOW AND ZWIEBEL,
PLANING-MACHINE ATTACHMENTS.

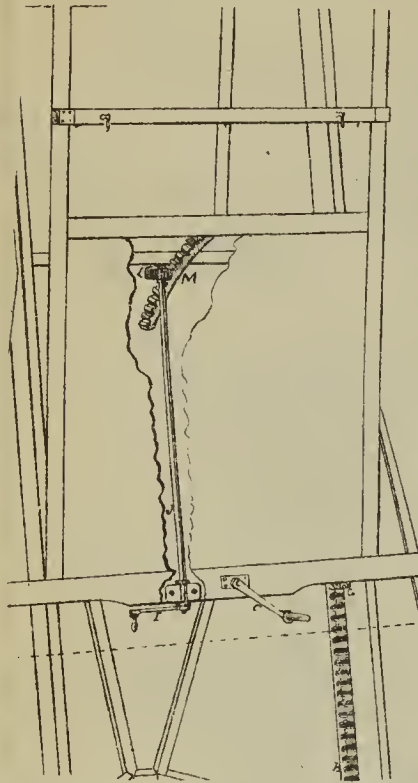


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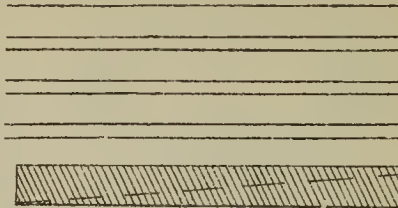
WILLIAM DOYLE,
STOVE-GRATES.



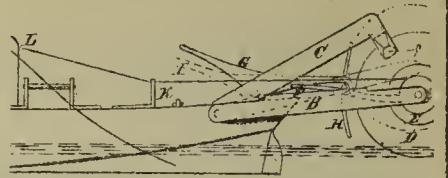
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JOHN CHARLES FORBES,
STUDIO EASELS.

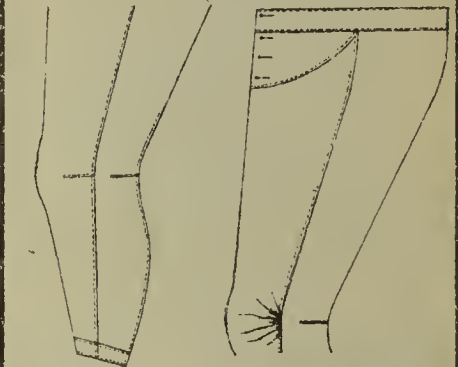
121,243

FRANK ELMER HALL,
STALL-FLOORS.

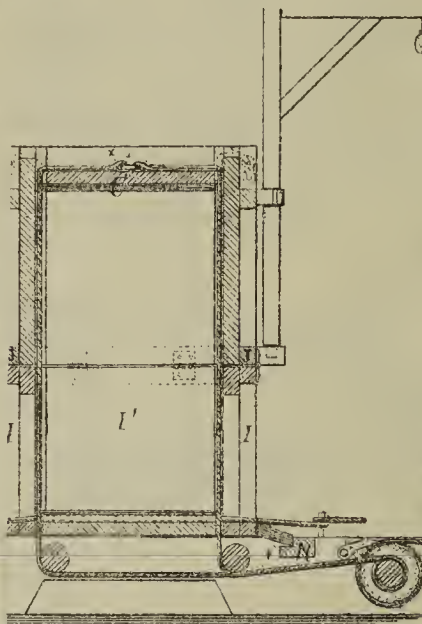
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EZRA B. LAKE,
OYSTER-DREDGES.

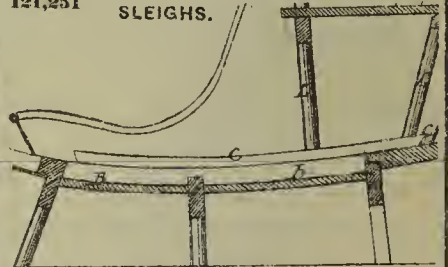
121,250

KILLIAN V. R. LANSINGH, JR.,
MEN'S DRAWERS.

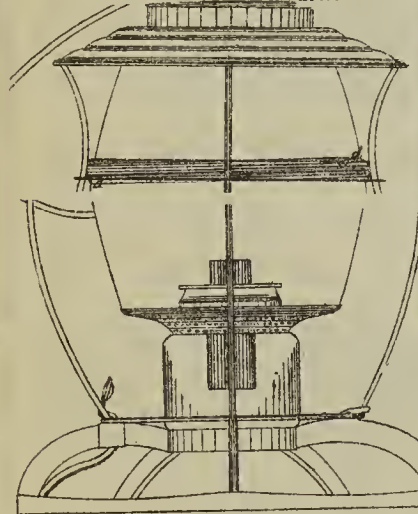
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FINLAY F. HAMILTON,
HAY-PRESSES.

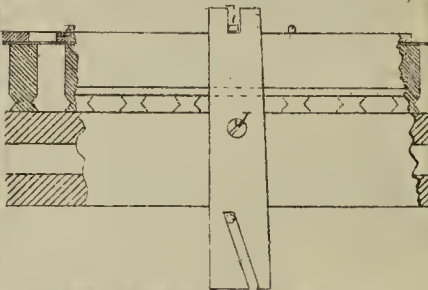
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WHITMAN LESLIE,
SLEIGHS.

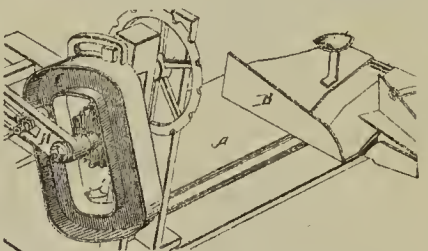
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ALONZO FRENCH,
LANTERNS.

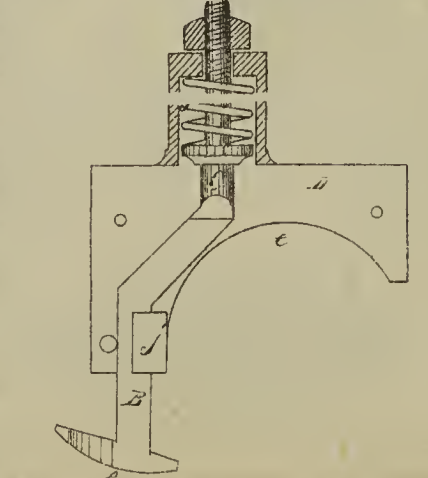
121,246

REED ORGANS.
ALBERT K. HEBARD,

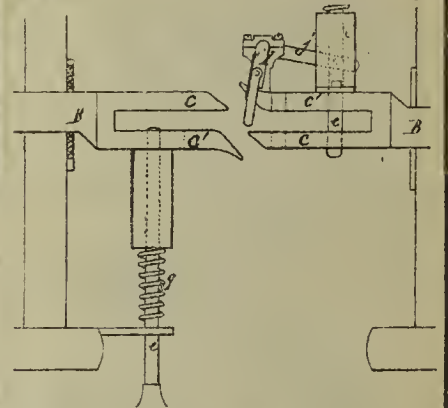
121,247

HEUERMAN, STERNBERG, AND STUHR,
HARVESTER-RAKES.

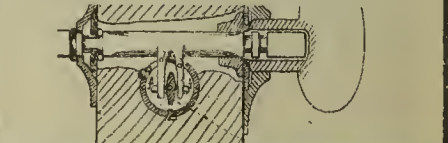
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ALONZO S. HEWLETT,
ATTACHMENTS FOR PLANERS.

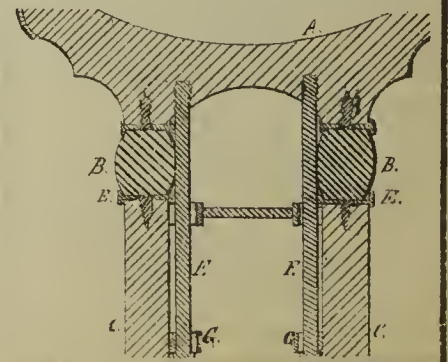
121,252

MORGAN AND GERRY,
CAR-COUPINGS.

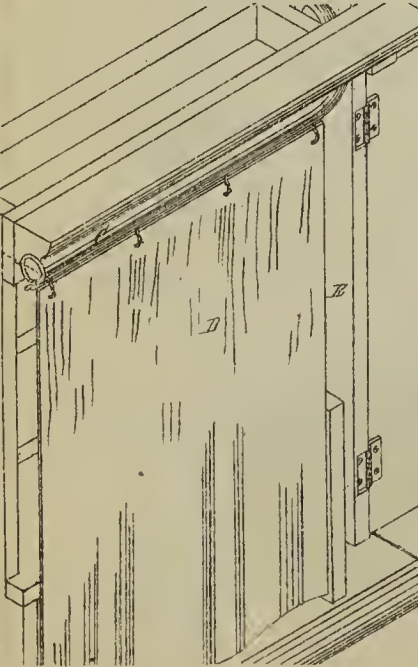
121,253

JOHN H. MORSE,
COMBINED LATCHES AND LOCKS.

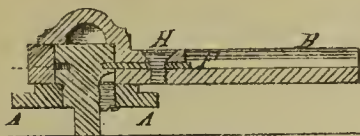
121,254

EUGENE T. PEARL,
CRUTCHES.

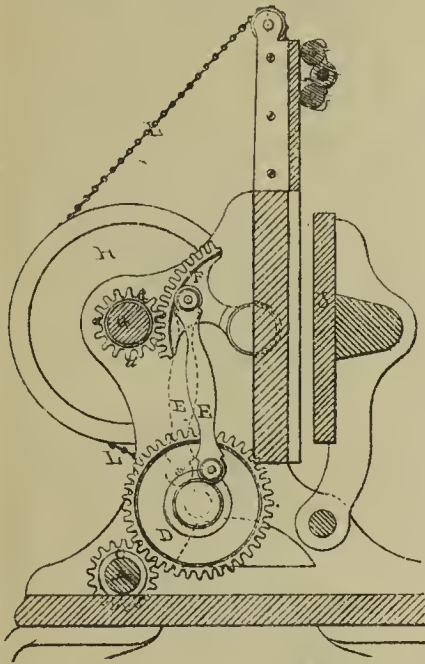
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JOSHUA GRAY,
CURTAIN-FIXTURES.

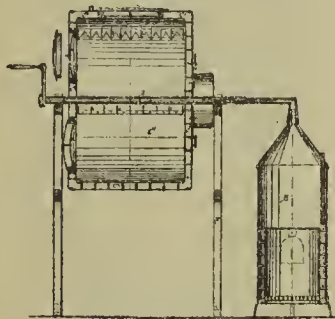
ANTON PRIER, 121,255
ARMS FOR RAILWAY CAR-SEATS.



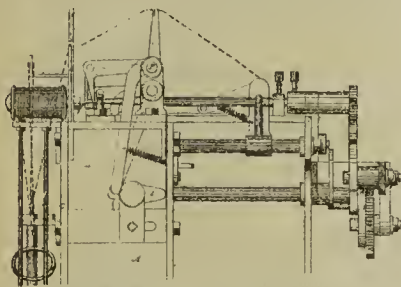
121,256 GEORGE W. PROUTY,
PRINTING-PRESSES.



121,257 SOLOMON B. SHOEMAKER,
FEATHER-RENOVATORS.



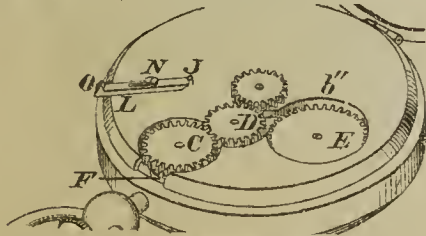
121,258 JOSEPH SLADDIN,
MACHINES FOR MAKING LOOM-HARNESS



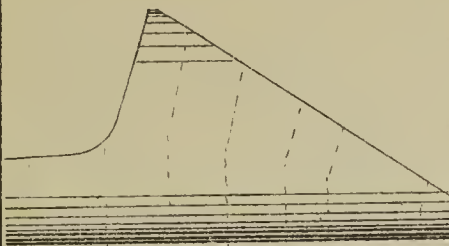
121,259 WILLIAM A. SLAYMAKER,
HINGES FOR SEATS.



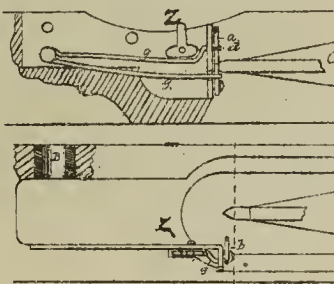
121,260 HARRY E. SMITH AND
RUFUS FOLSOM
STEM-WINDING AND SETTING WATCHES



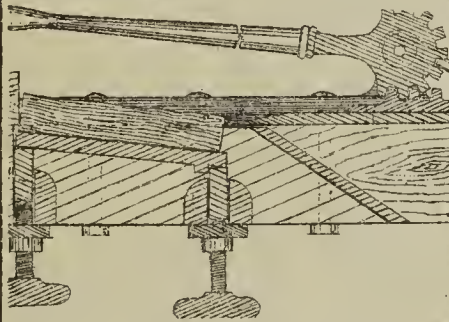
121,261 JOHN EDSON SWEET,
GUARDS FOR HARVESTING-MACHINES.



121,262 FREDERICK O. TUCKER,
LOOM-SHUTTLES.



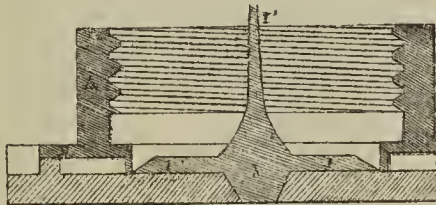
121,264 NORMAN WARNER,
MACHINES FOR CUTTING WEDGES.



121,265 THOMAS WATSON,
NOZZLES.

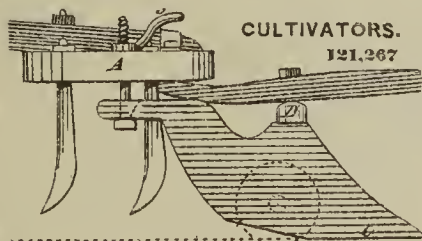


121,266 WILLIAM D. ALFORD,
CASTING FEMALE SCREWS.

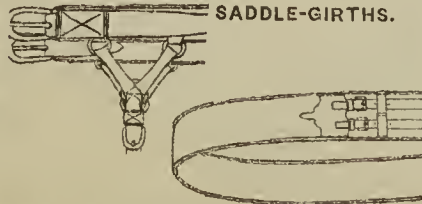


JOHN ANSLEY AND GEORGE W. ANSLEY,

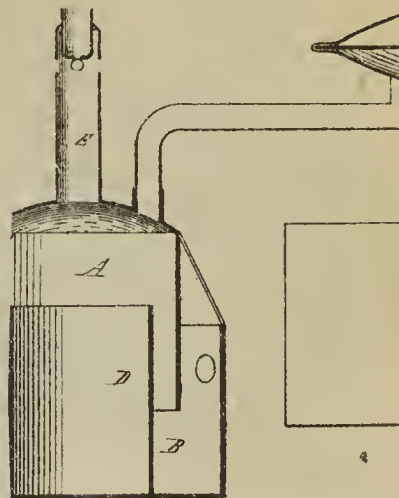
CULTIVATORS.



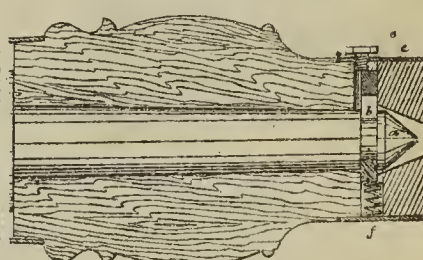
SETH W. BAKER, 121,268
SADDLE-GIRTHS.



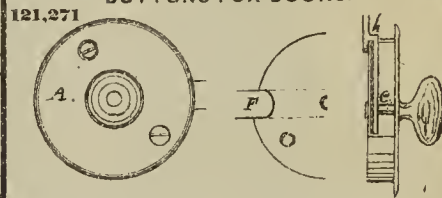
121,269 JOHN F. BARKER,
BLOWING APPARATUS FOR ORGANS.



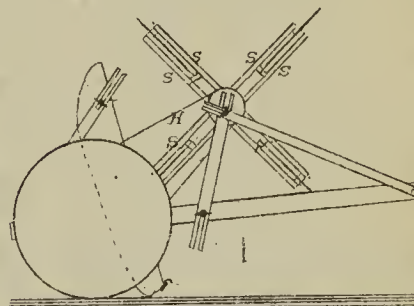
121,270 JOHN WILLIAMS BEAL,
ATTACHING WHEELS TO AXLES.



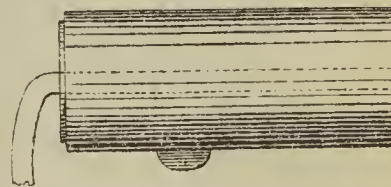
GEORGE F. BEARDSLEY,
BUTTONS FOR DOORS.



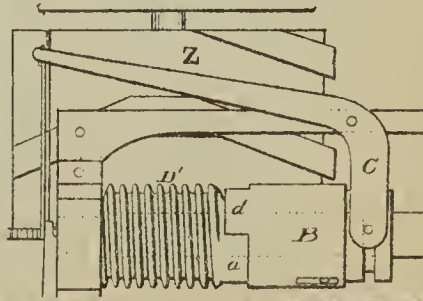
121,272 JOHN M. BENNETT,
INSECT-DESTROYERS.



121,273 FREDERICK BRUNS,
FLAT-IRON HOLDERS.

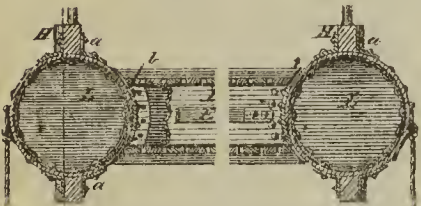
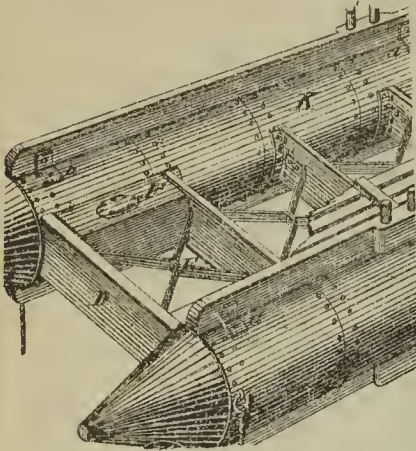


121,274 HENRY R. BUTTERFIELD,
MAKING SHOVEL-HANDLES.



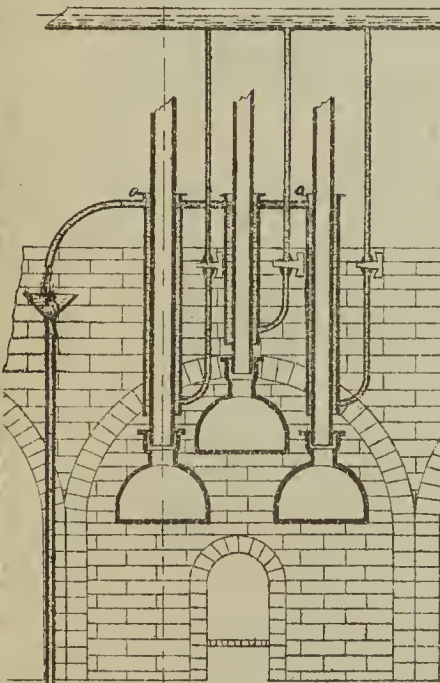
121,275

HERVEY C. CALKIN.
LIFE-RAFTS.



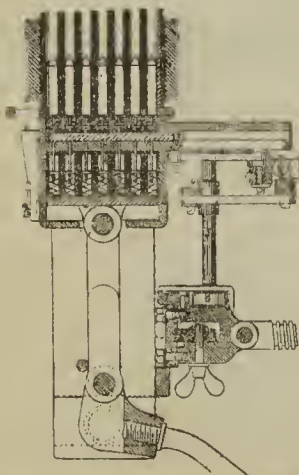
121,276

MOSES COOMBS, JR.,
STAND-PIPES OF GAS-RETORTS.



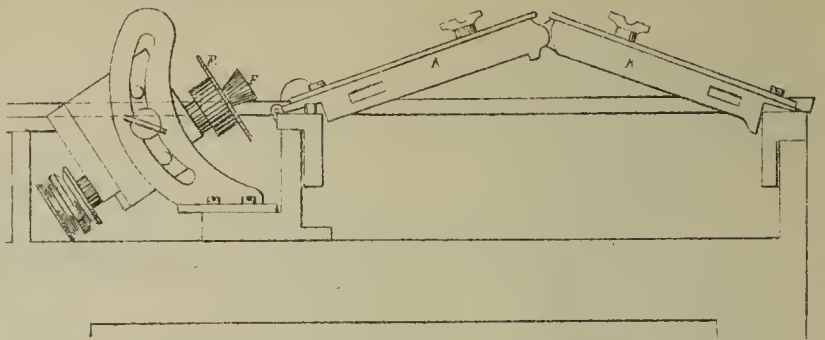
121,277

CHRISTOPHE AND MONTIGNY.
MACHINE-GUNS.



121,278

ASAHEL DAVIS.
DOVETAILING-MACHINES



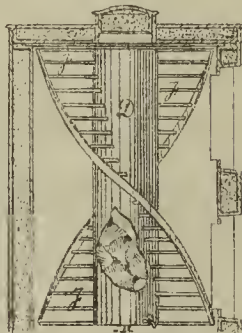
121,279

DEMING, DEMING, AND ALDEN,
BED-BOTTOMS.



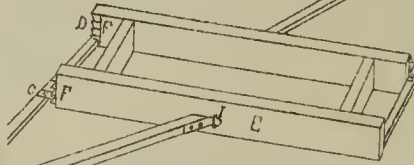
121,280

JOSEPH F. DICK,
REFRIGERATORS.



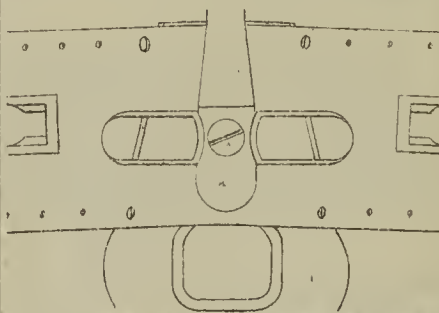
121,281

HIRAM CHARLES DREW,
MODES OF FASTENING HORSE-POWERS.



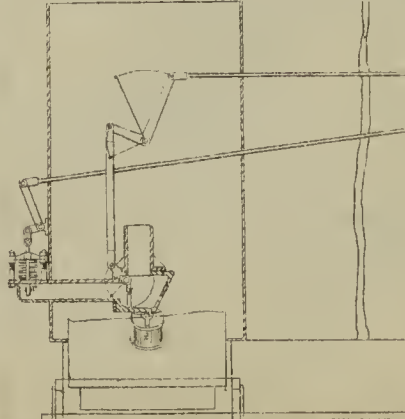
121,282

EDWARD H. DUNN,
SADDLE-TREES.



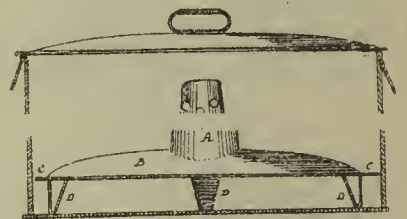
121,283

RICHARD S. GILLESPIE,
LOCOMOTIVES.



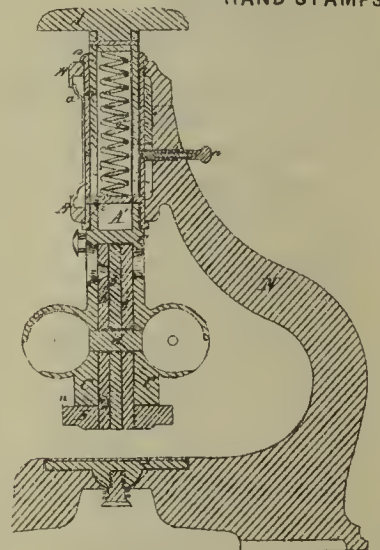
121,285

ABRAHAM S. HERR.
WASH-BOILERS.



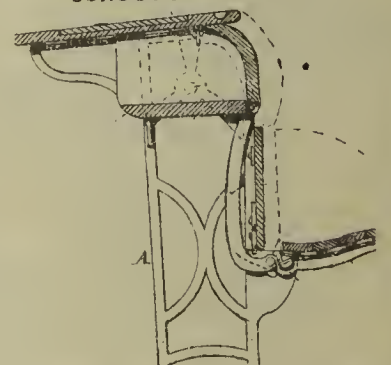
121,286

BENJAMIN B. HILL
HAND-STAMPS.



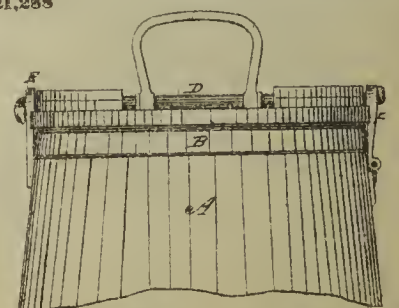
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WENDELL P. HOOD,
SCHOOL-DESKS AND SEATS.

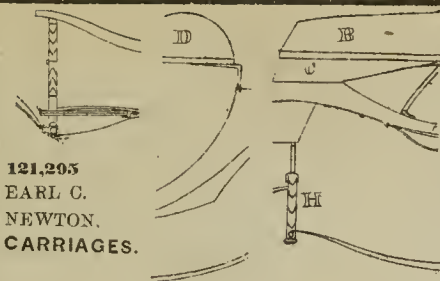
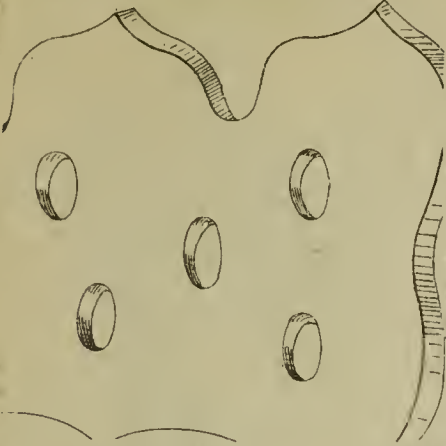


121,288

KELLOGG AND GEORGE N. IVES,
COVERED BUCKETS.

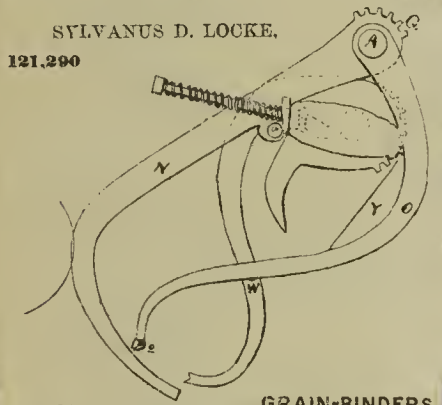
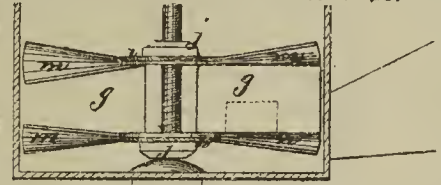


121,289 HELENA P. DE BRUYN KOPS.
DEVELOPMENT OF THE MUSCLES OF THE HANDS.



121,295
EARL C.
NEWTON.
CARRIAGES.

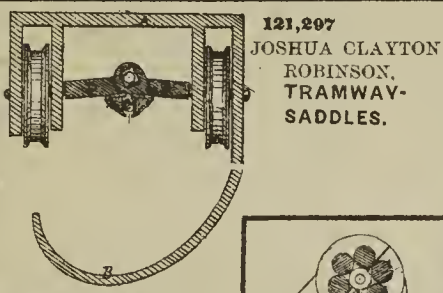
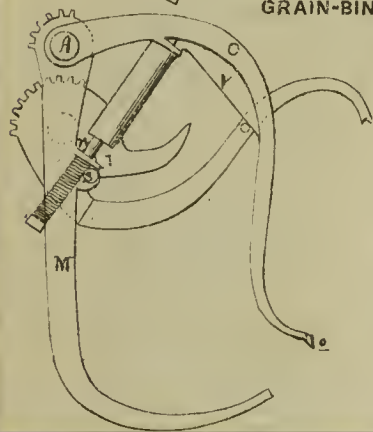
121,296 THOMAS A. PRATT,
AMALGAMATING GOLD IN TAILINGS.



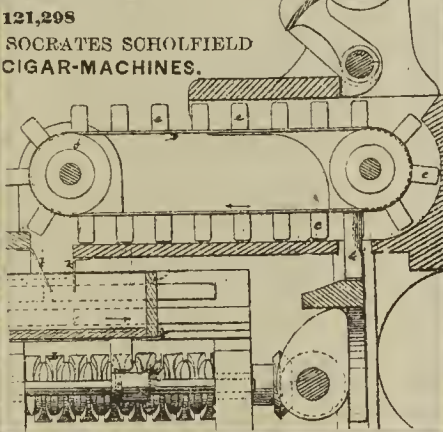
SYLVANUS D. LOCKE.

121,290

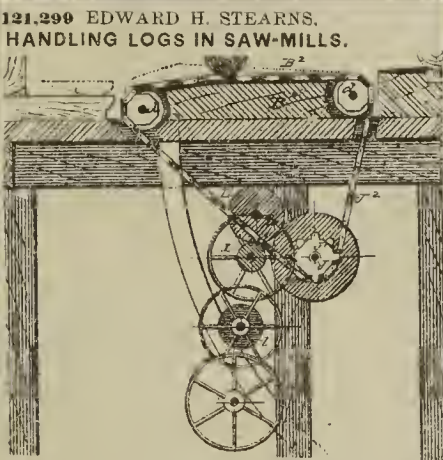
GRAIN-BINDERS.



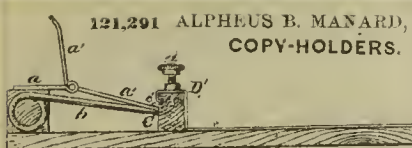
121,297
JOSHUA CLAYTON
ROBINSON.
TRAMWAY-
SADDLES.



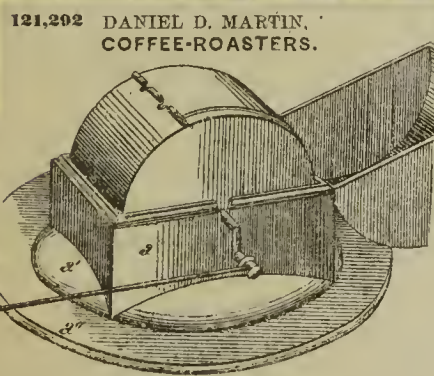
121,298
SOCRATES SCHOLFIELD
CIGAR-MACHINES.



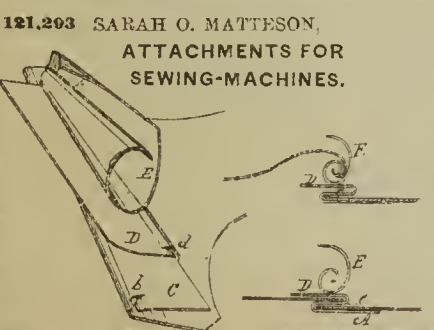
121,299 EDWARD H. STEARNS.
HANDLING LOGS IN SAW-MILLS.



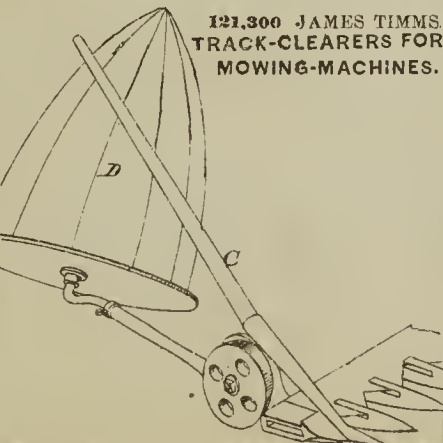
121,291 ALPHEUS B. MANARD,
COPY-HOLDERS.



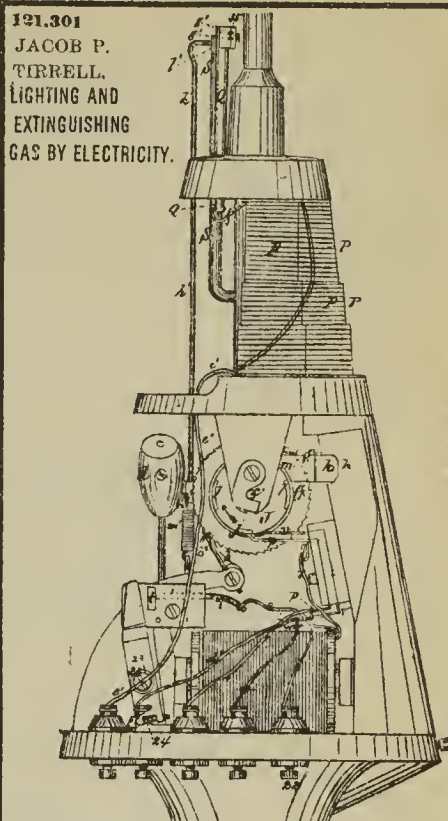
121,292 DANIEL D. MARTIN,
COFFEE-ROASTERS.



121,293 SARAH O. MATTESON,
ATTACHMENTS FOR
SEWING-MACHINES.

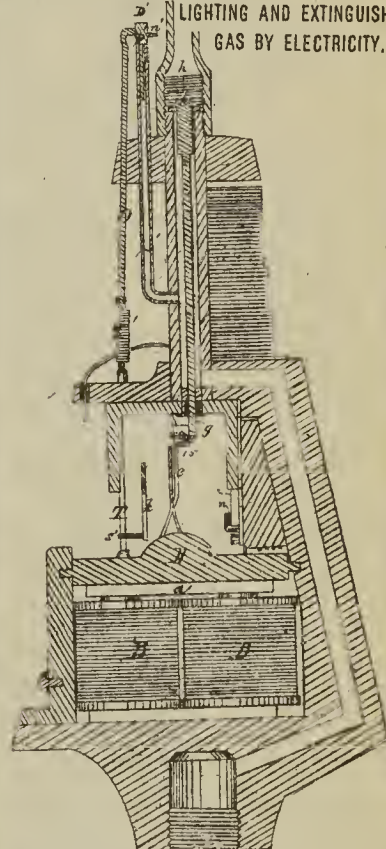


121,300 JAMES TIMMS.
TRACK-CLEARERS FOR
MOWING-MACHINES.

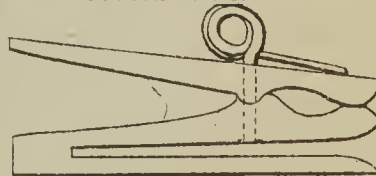


121,301
JACOB P.
TIRRELL.
LIGHTING AND
EXTINGUISHING
GAS BY ELECTRICITY.

121,302 JACOB P. TIRRELL.
LIGHTING AND EXTINGUISHING
GAS BY ELECTRICITY.

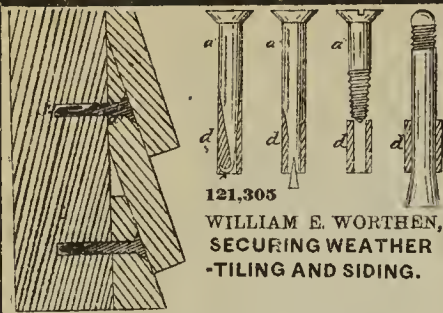


121,303 HIRAM J. WATTLES.
CLOTHES-PINS.



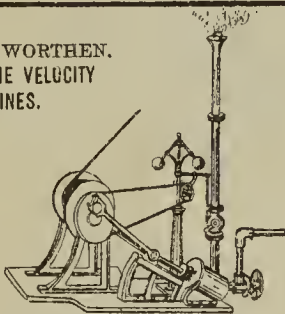
121,304 IRVING F. WILCOX,
BASKET-SPLINTS.



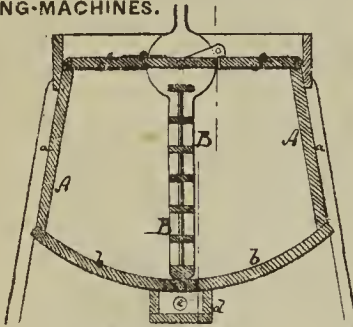


121,305
WILLIAM E. WORTHEN,
SECURING WEATHER-
TILING AND SIDING.

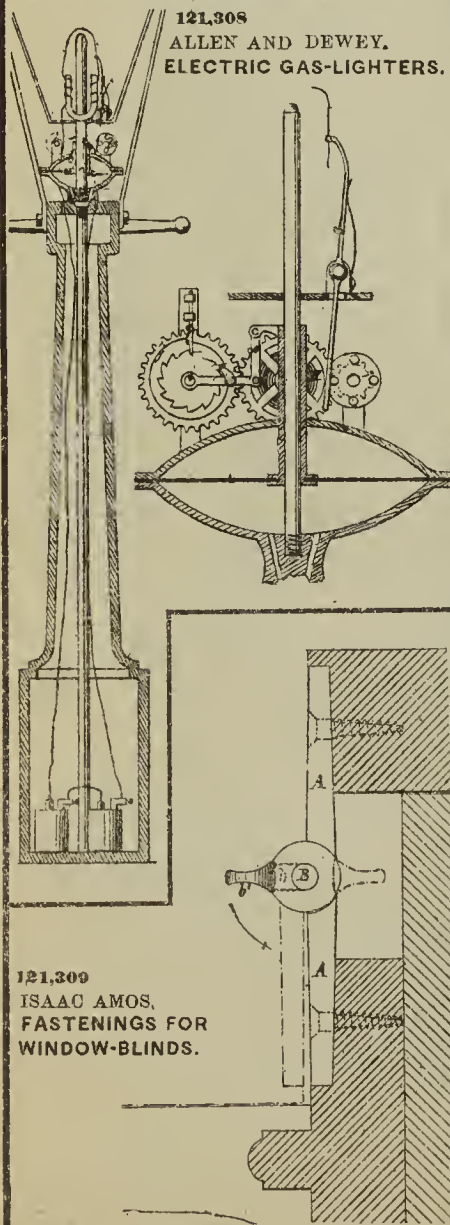
121,306
WILLIAM E. WORTHEN.
CONTROLLING THE VELOCITY
OF STEAM-ENGINES.



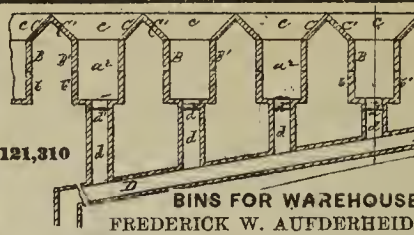
121,307 JAMES ABBOT.
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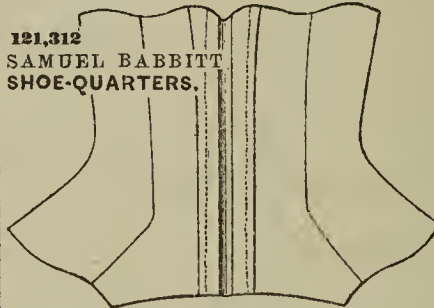
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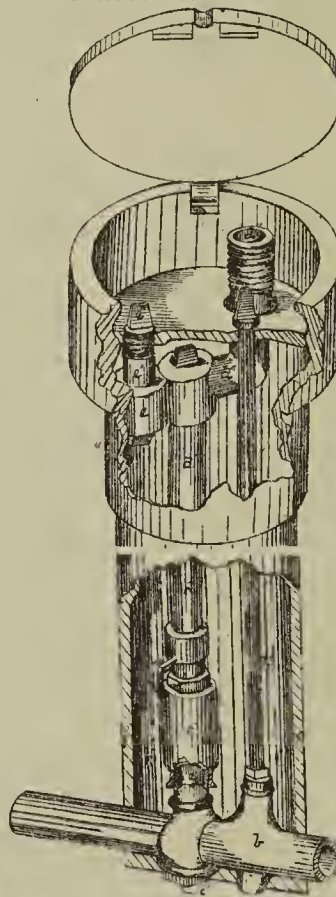


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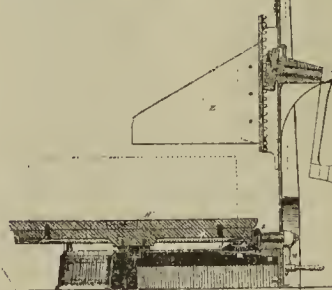


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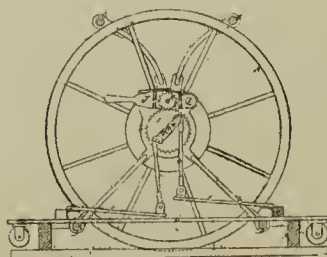
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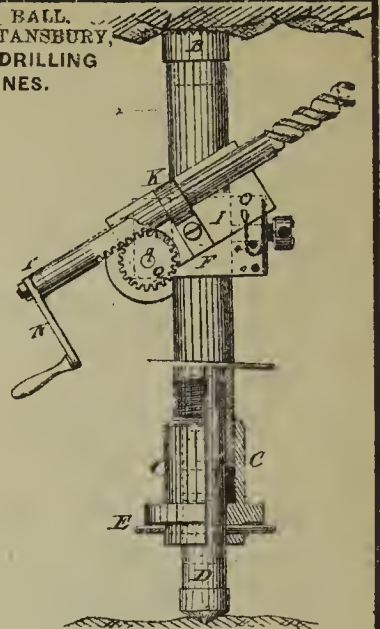
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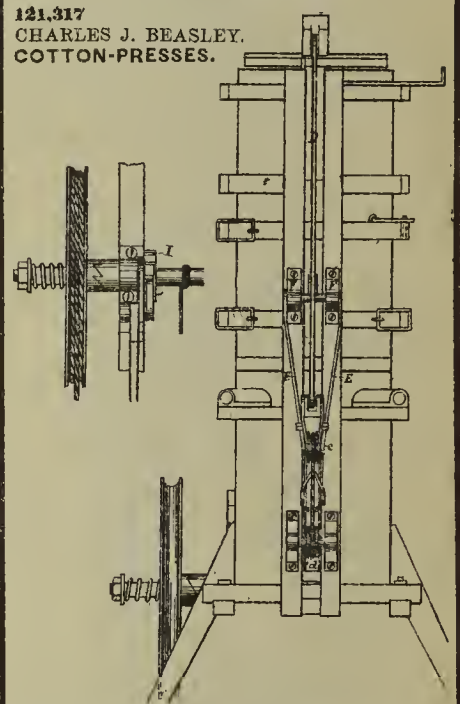
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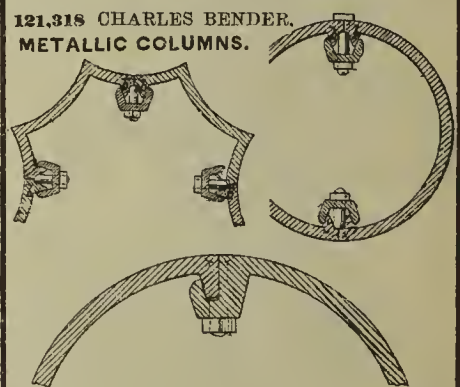
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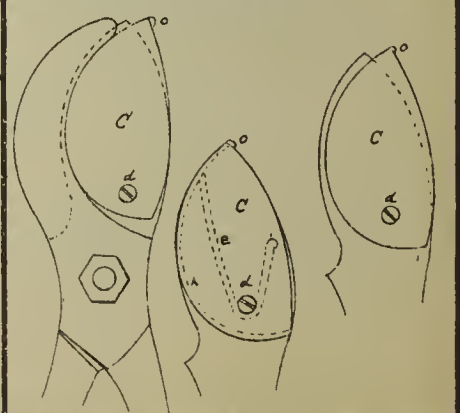
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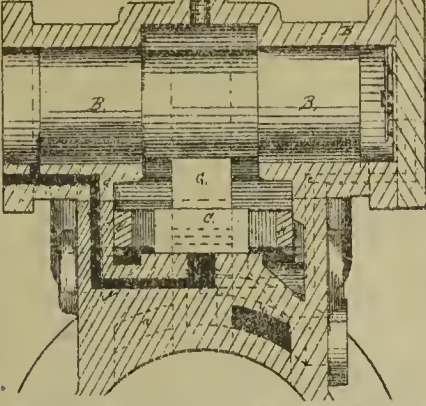
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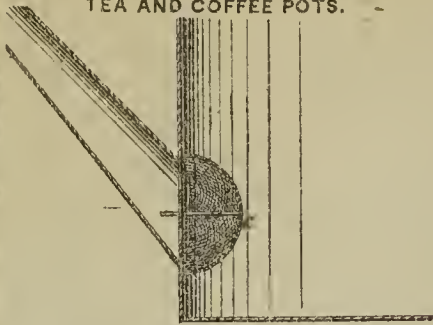
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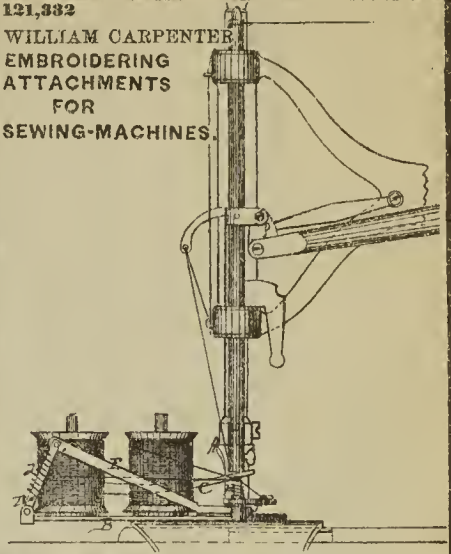
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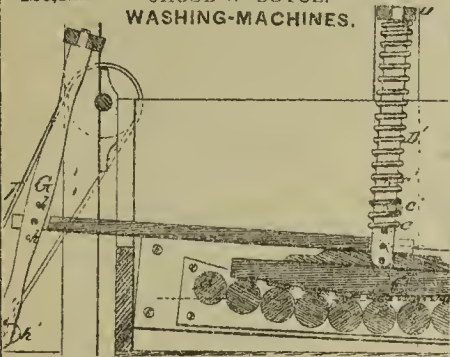
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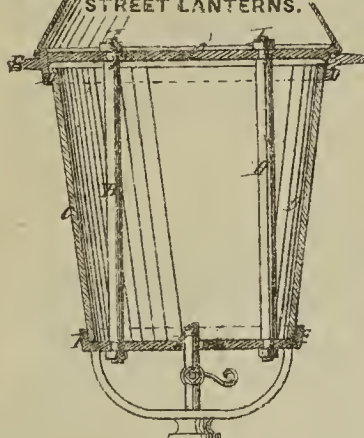
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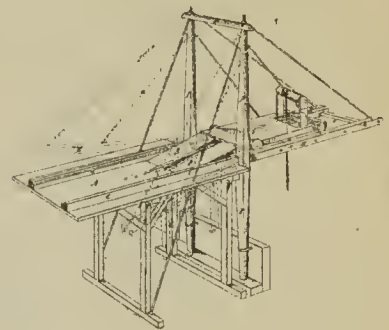
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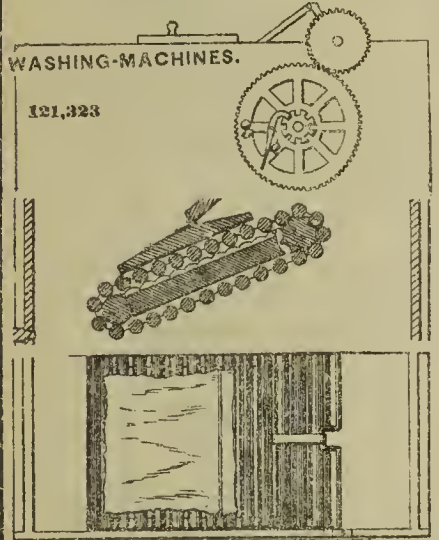
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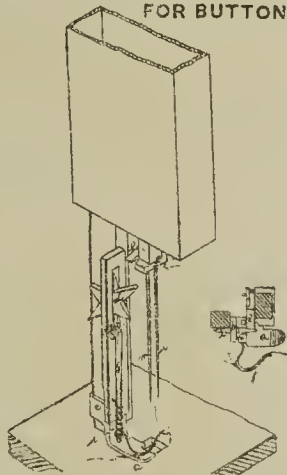
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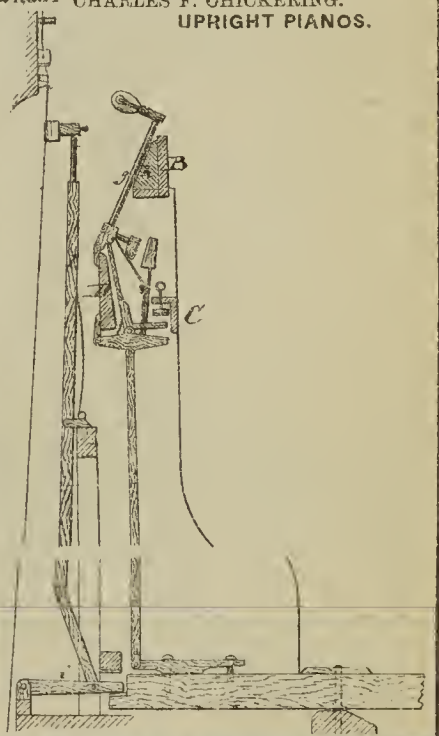
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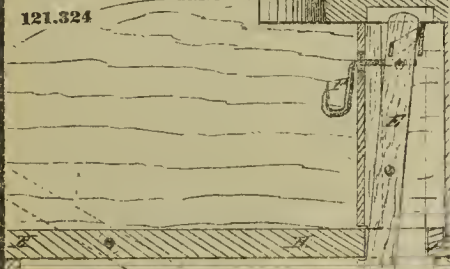
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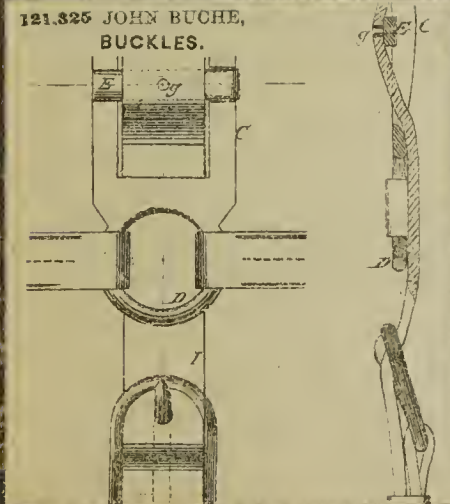


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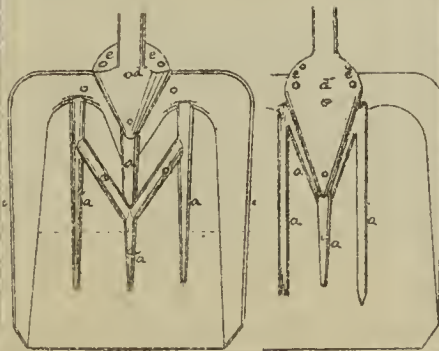


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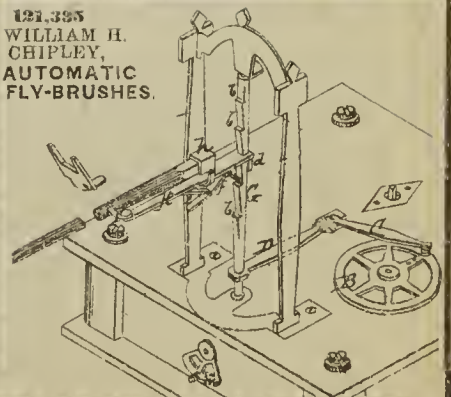
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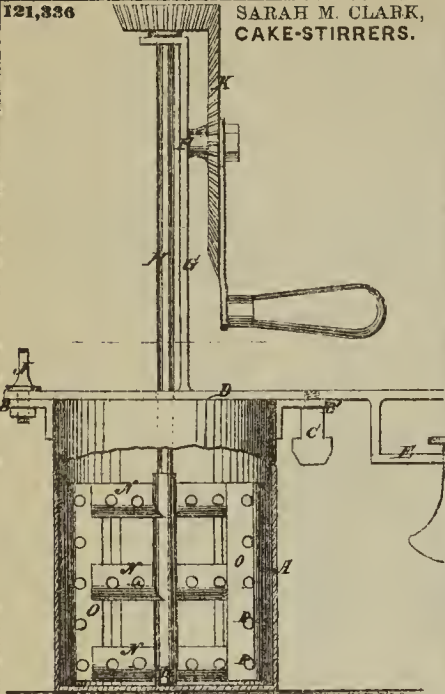
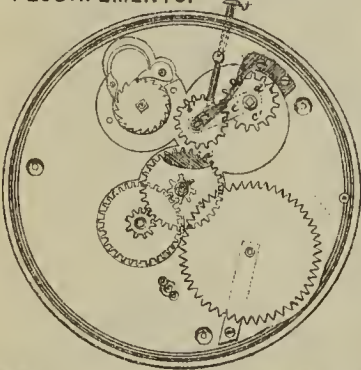
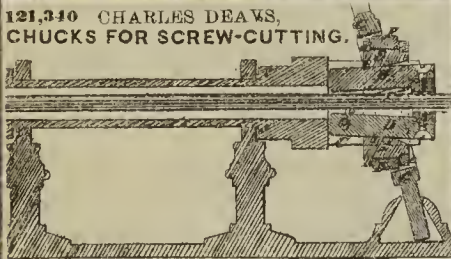
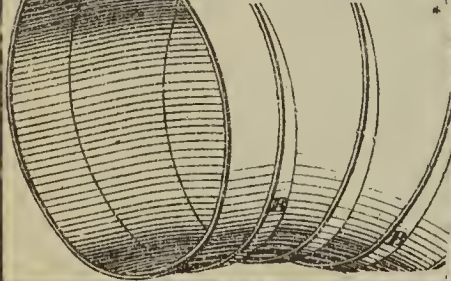
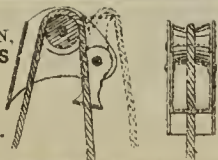
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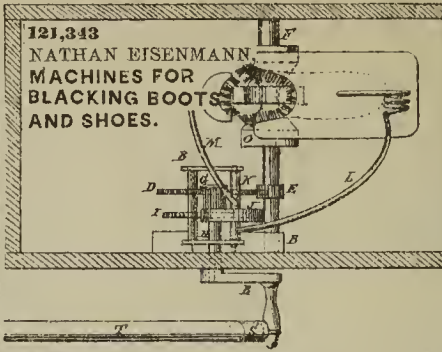
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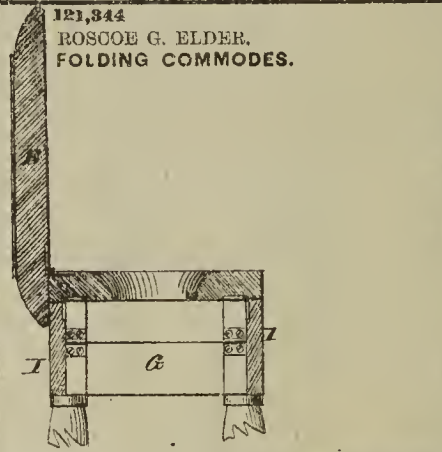
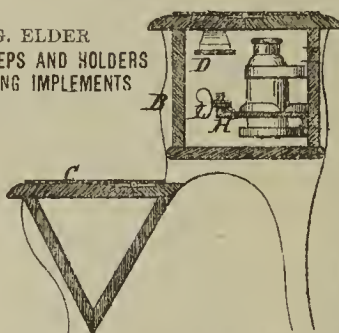
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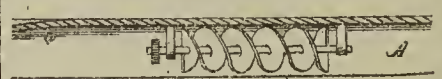
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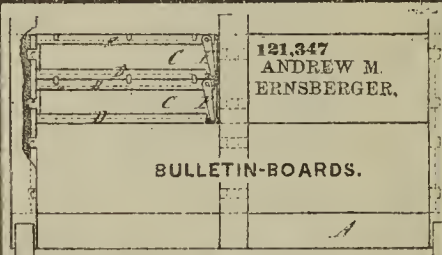
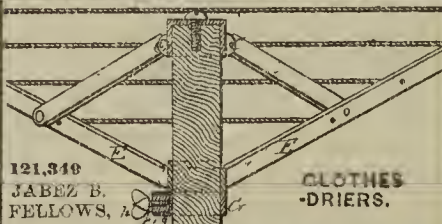
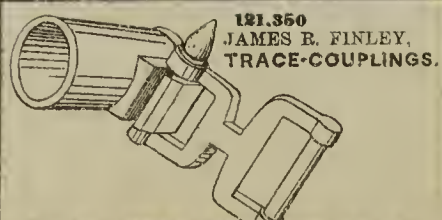
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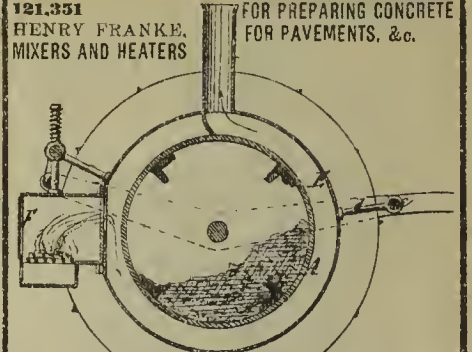
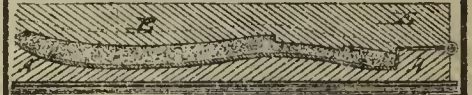
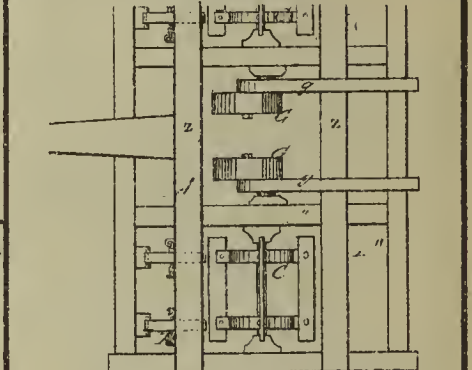
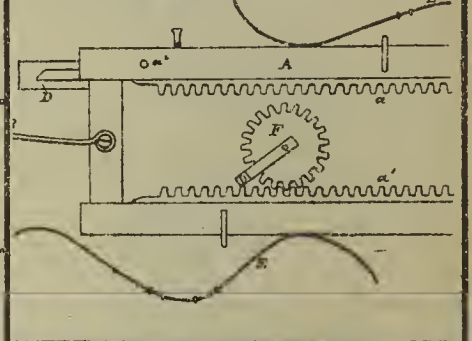
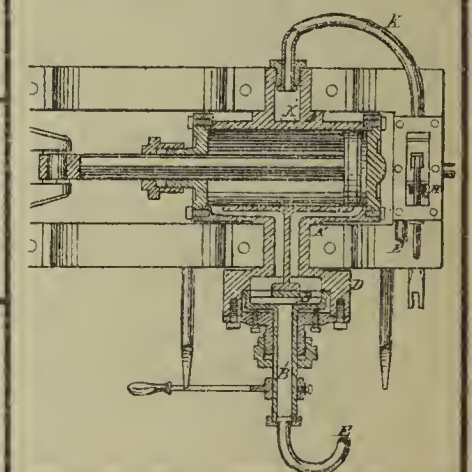
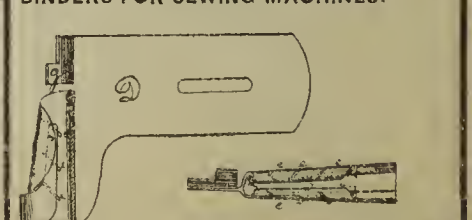
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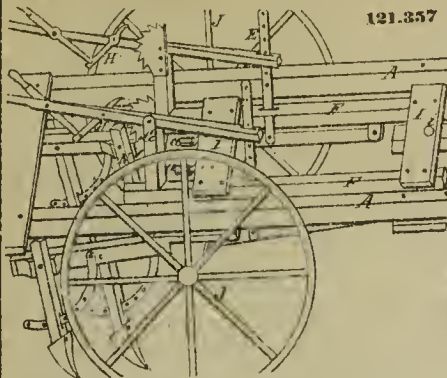
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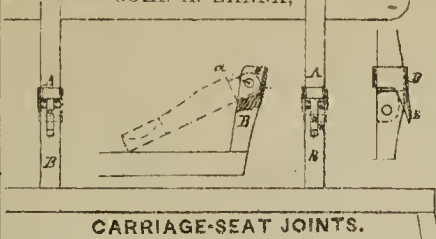
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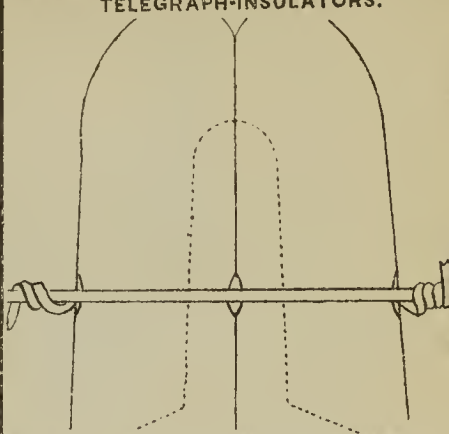


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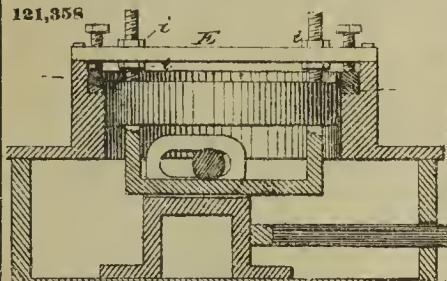
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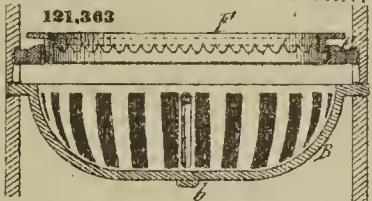
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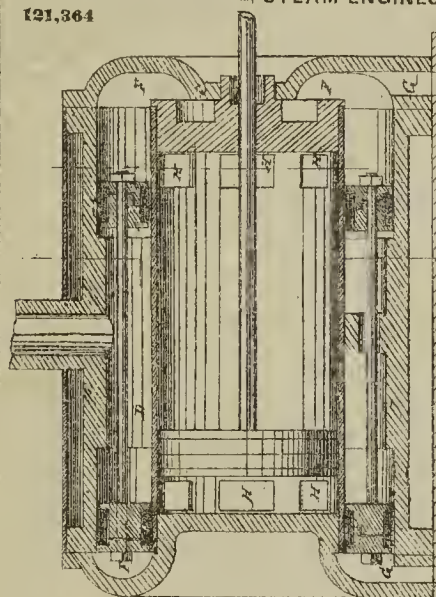
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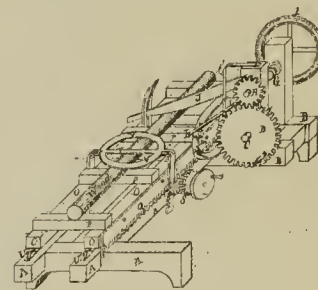


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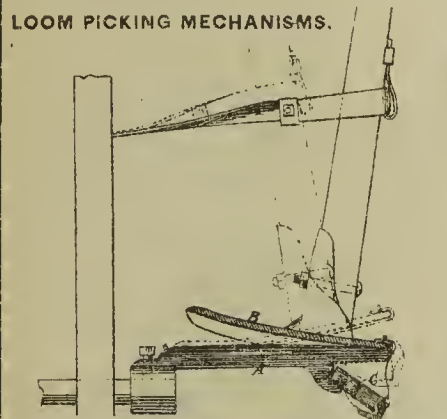
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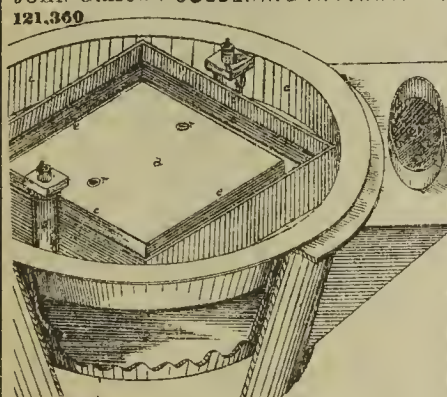
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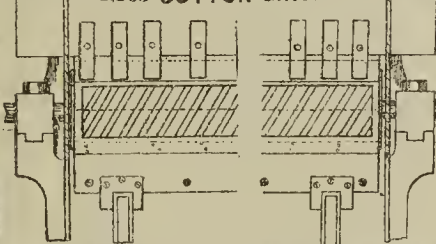
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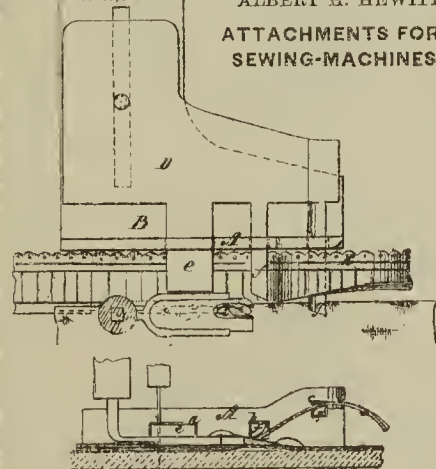
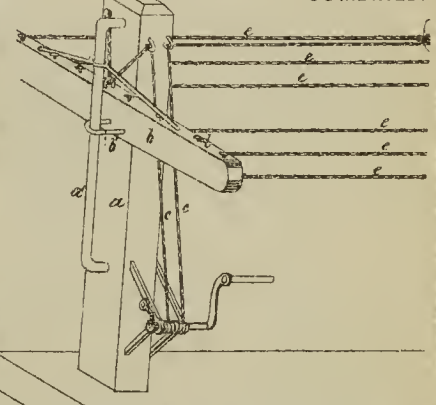


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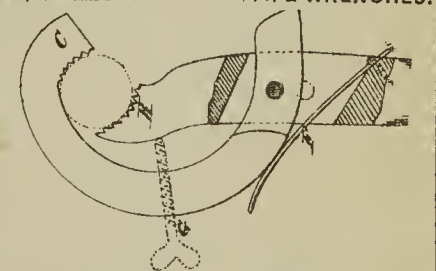
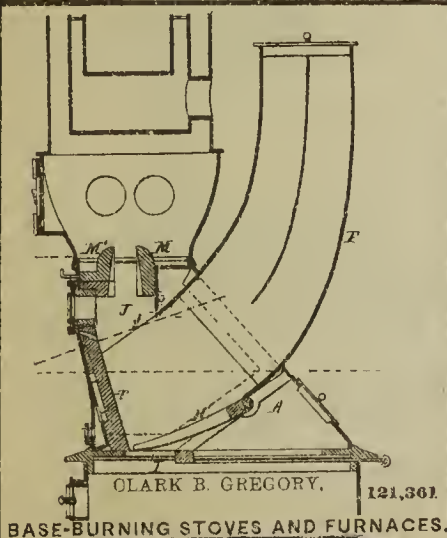
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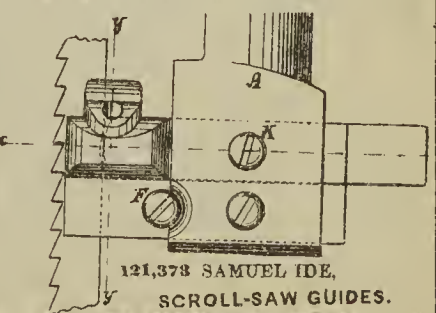
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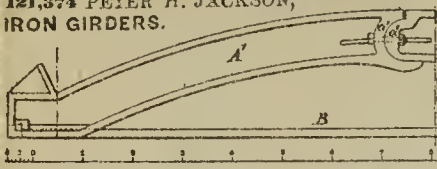
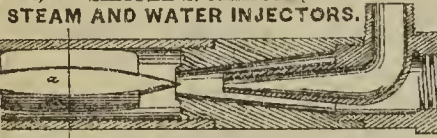
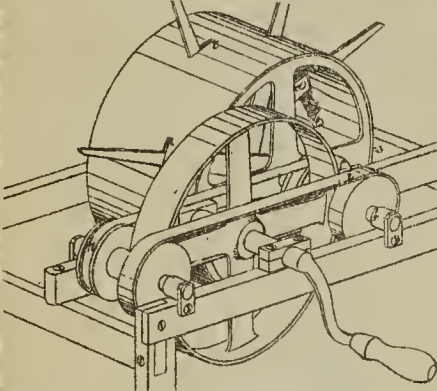
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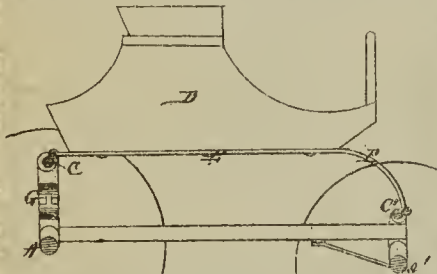
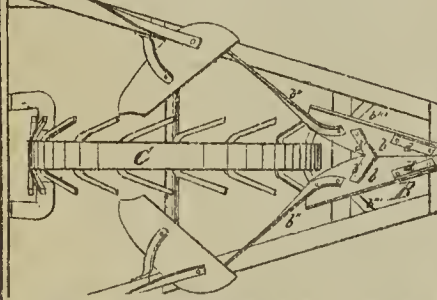
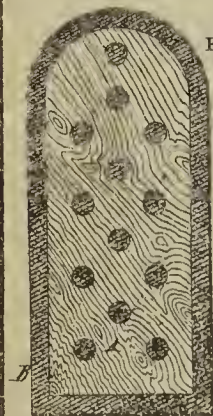
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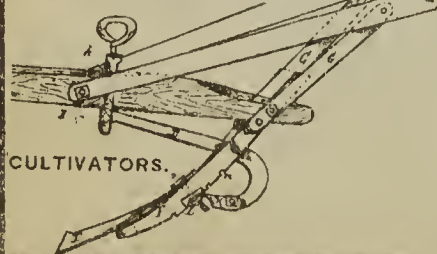
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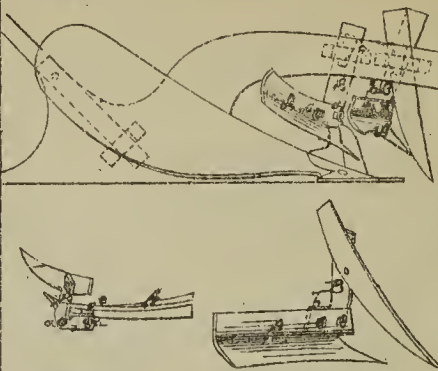
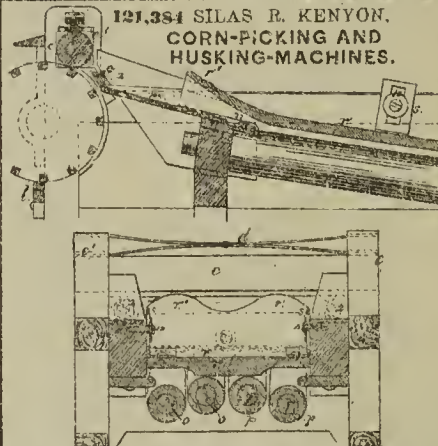
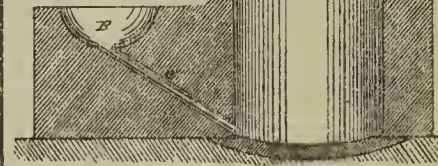
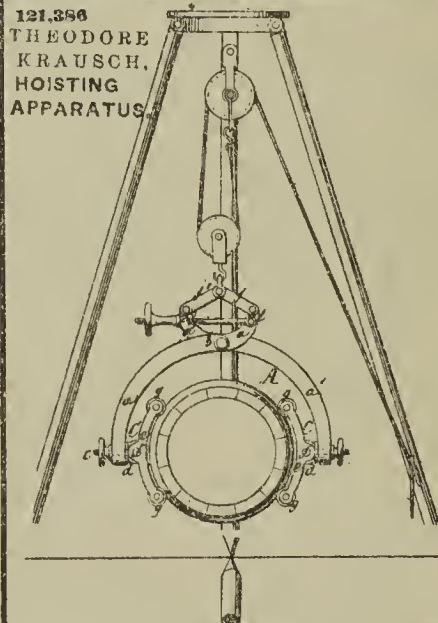
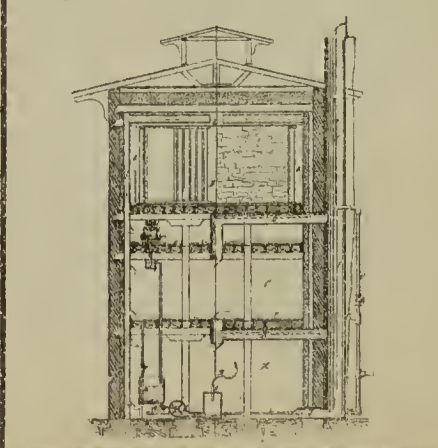
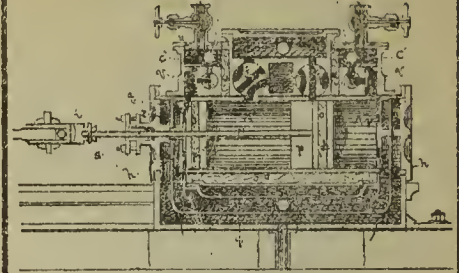
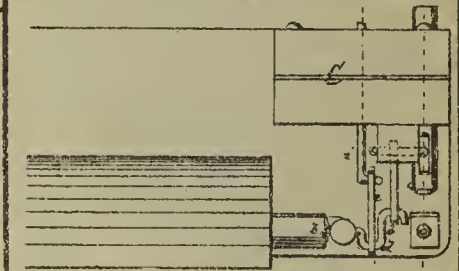
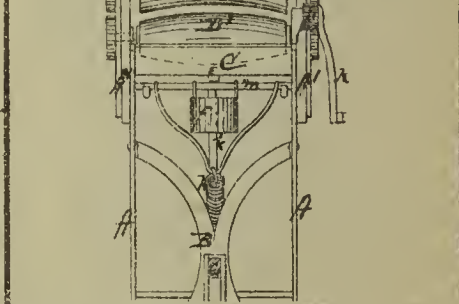
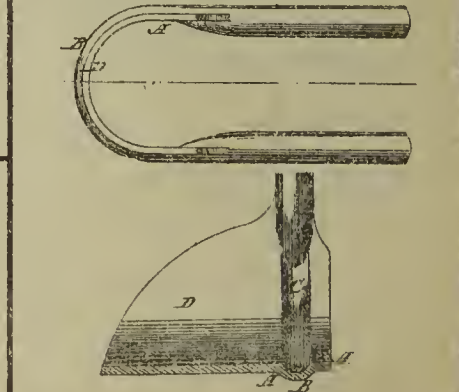
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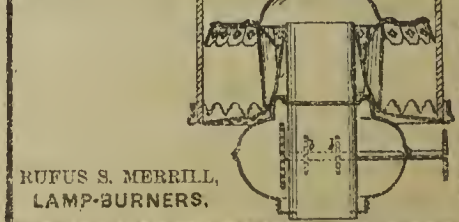


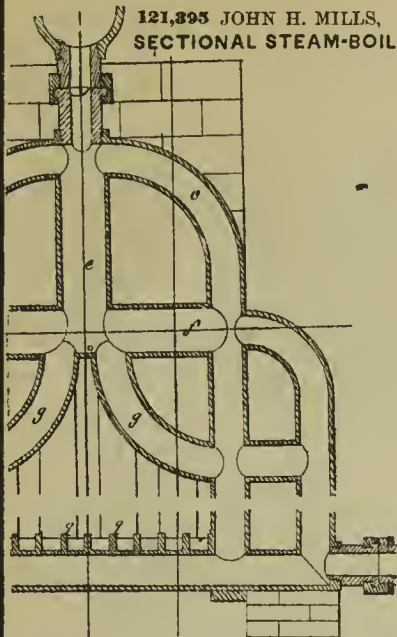
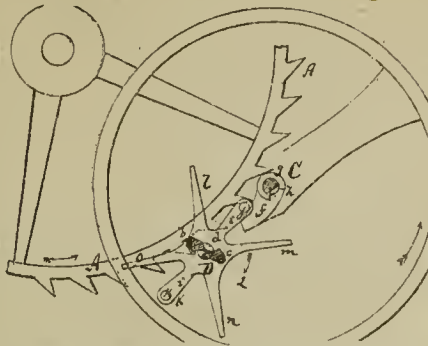
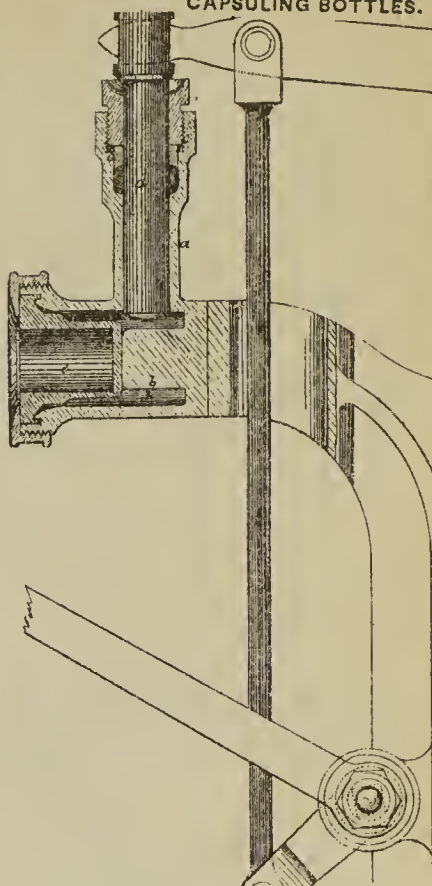
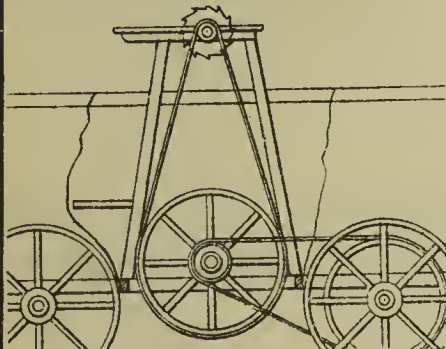
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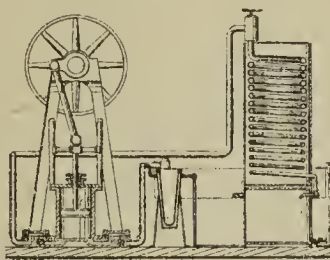
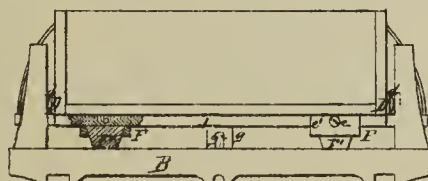
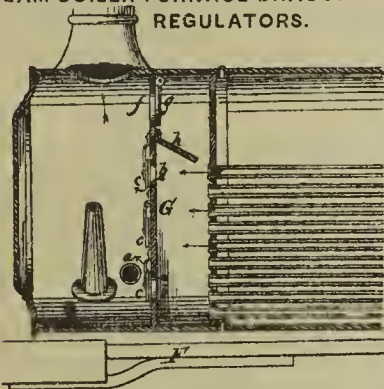
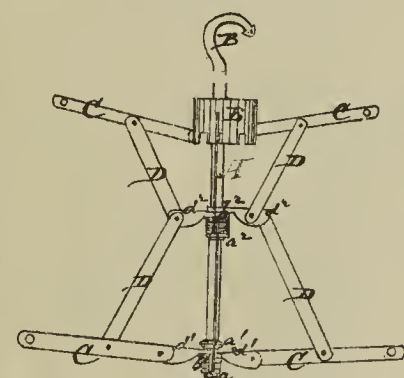
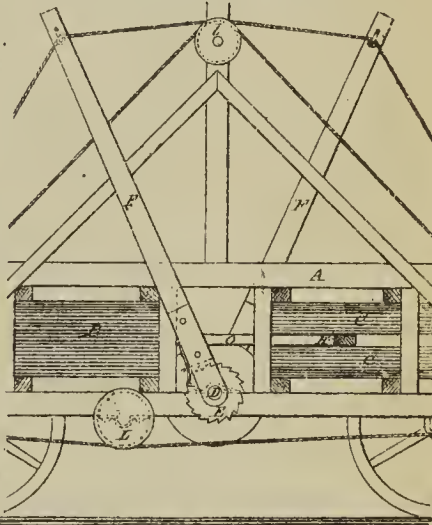
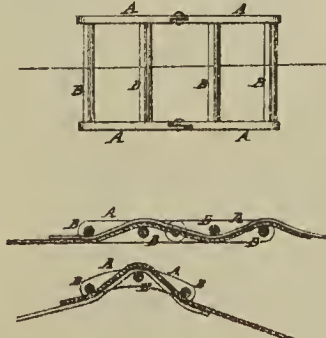
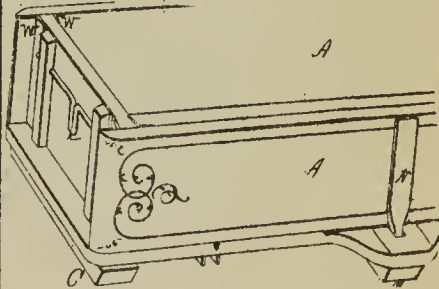
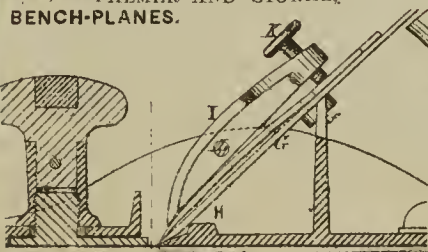
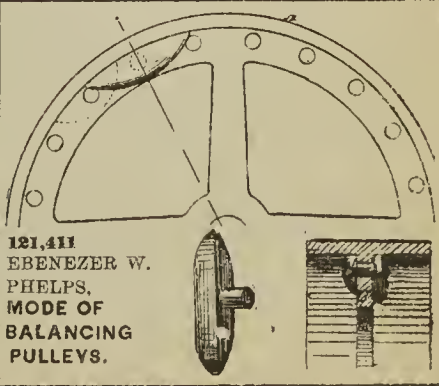
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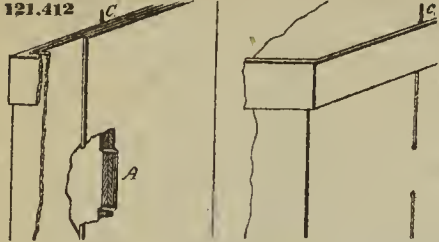
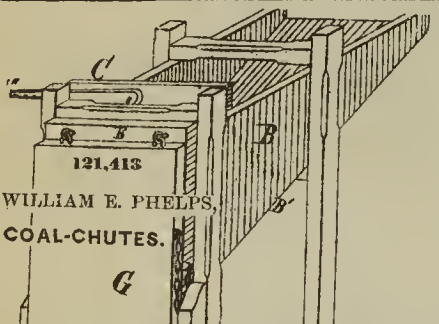
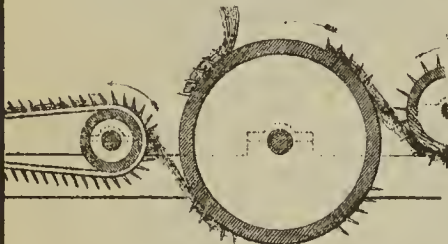
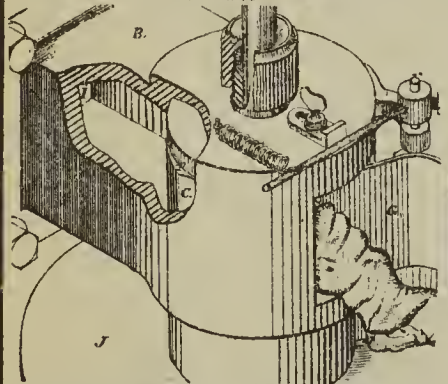
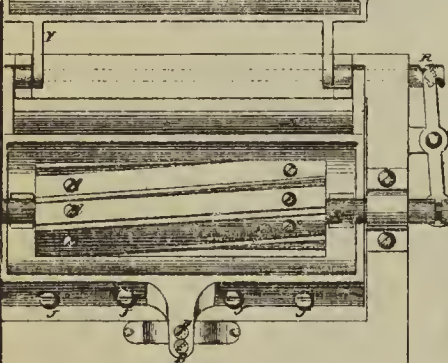
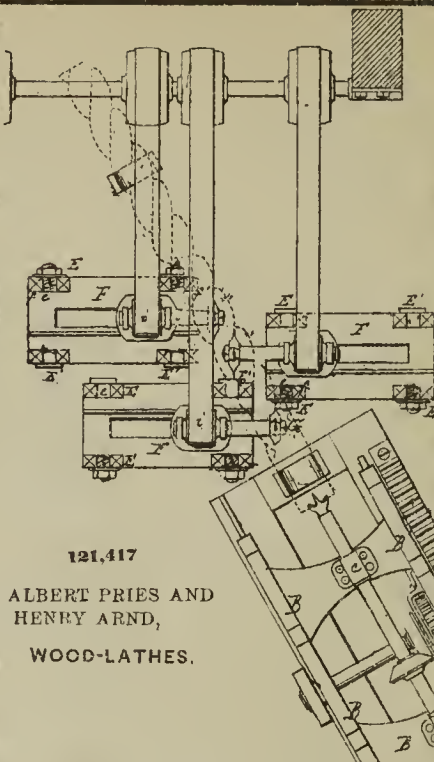
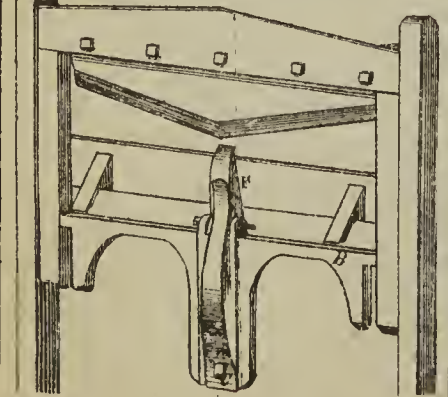
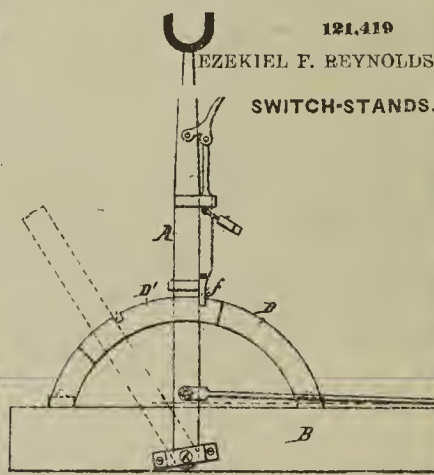
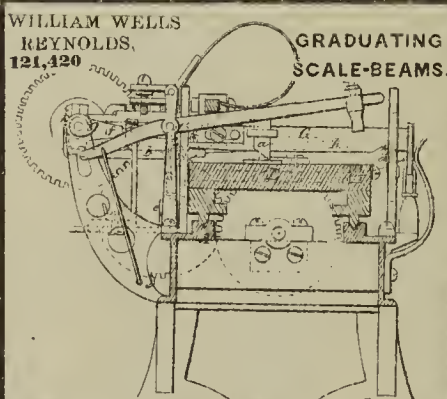
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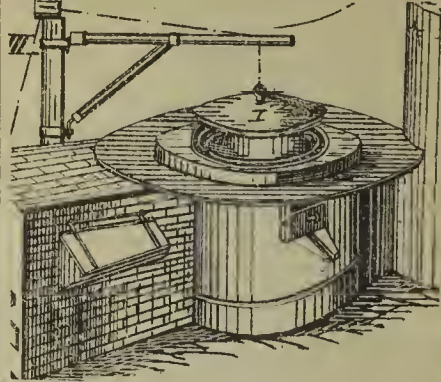
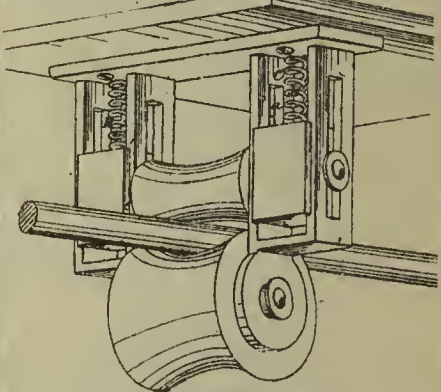
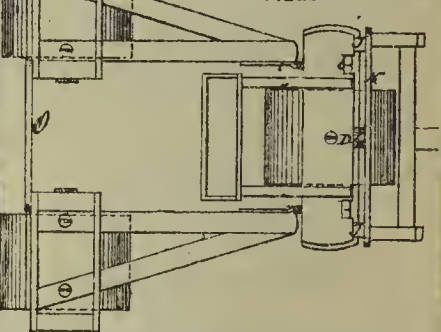
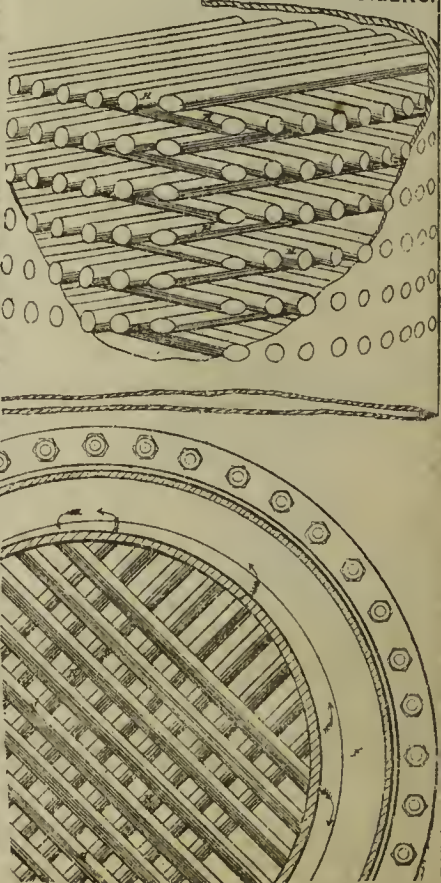
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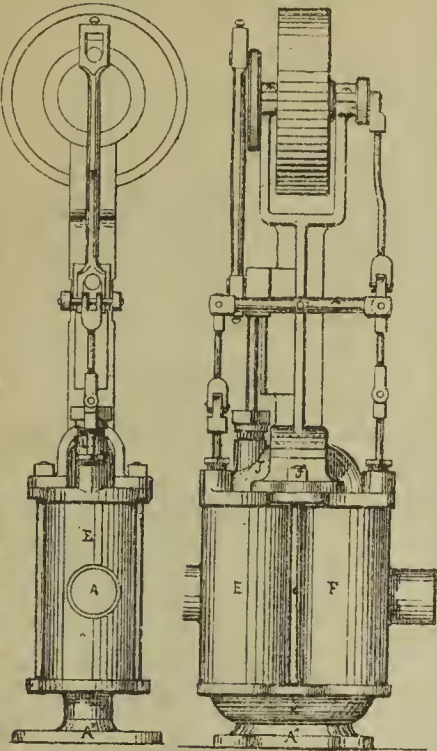
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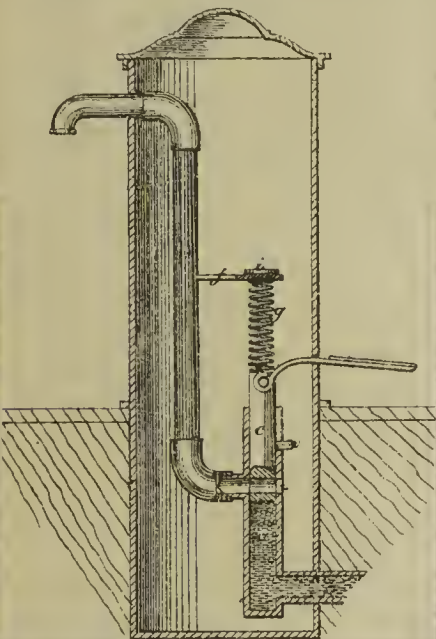
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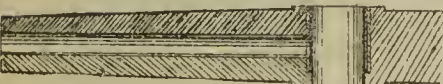
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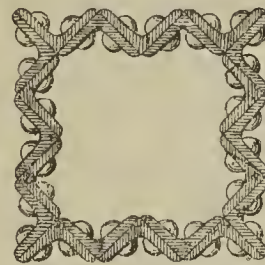
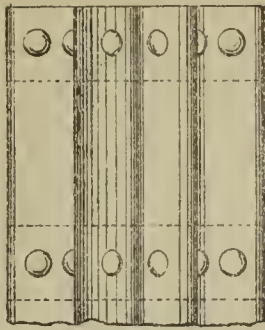
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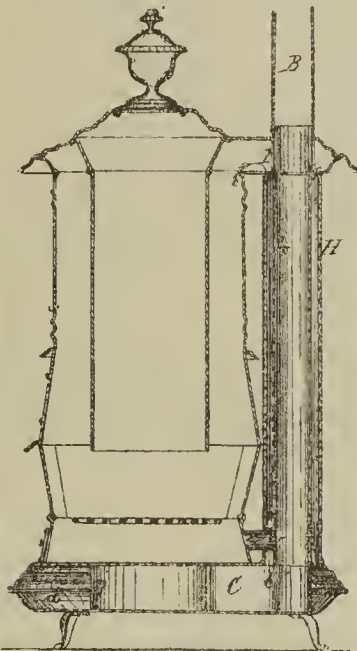
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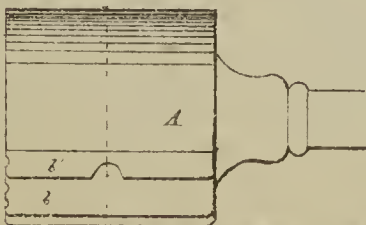
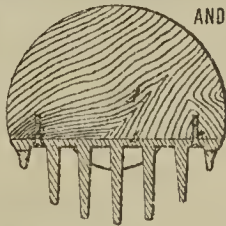
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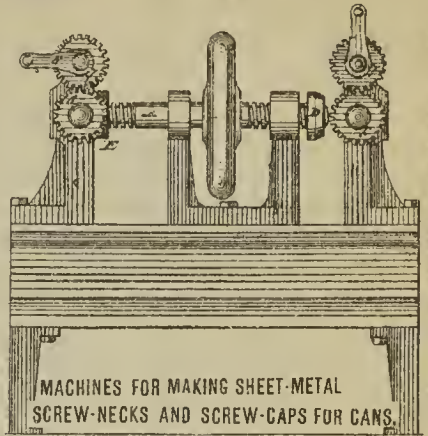
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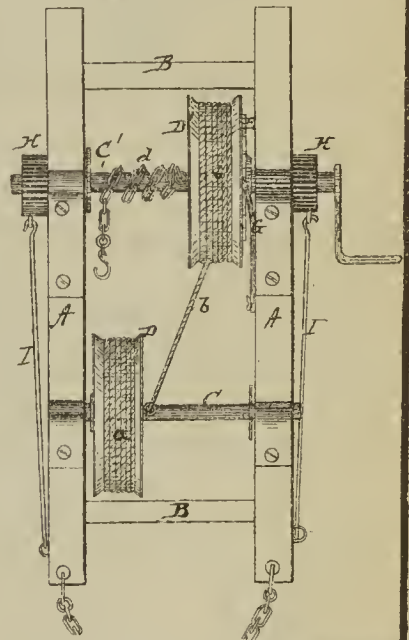


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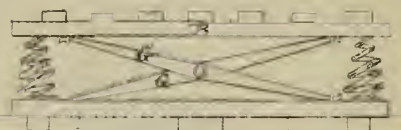


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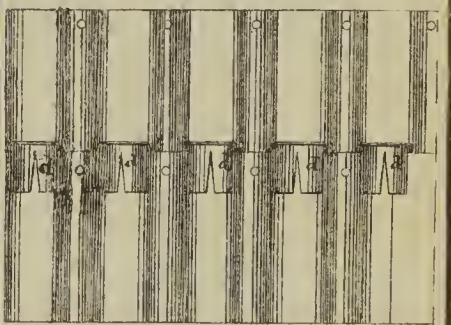
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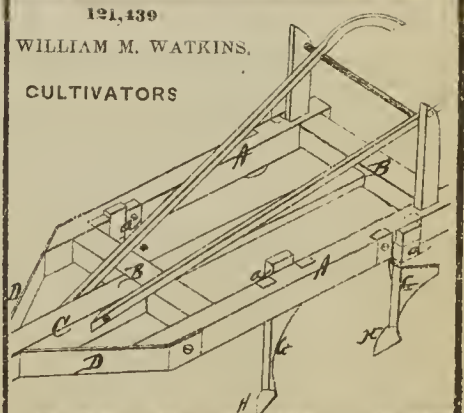
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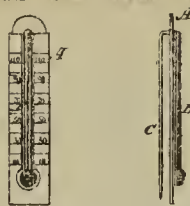
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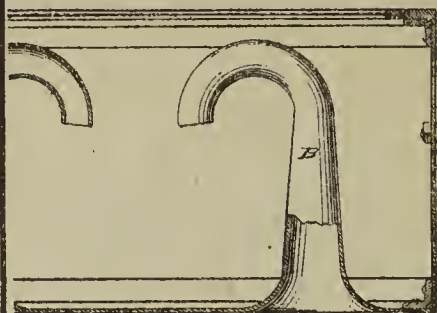
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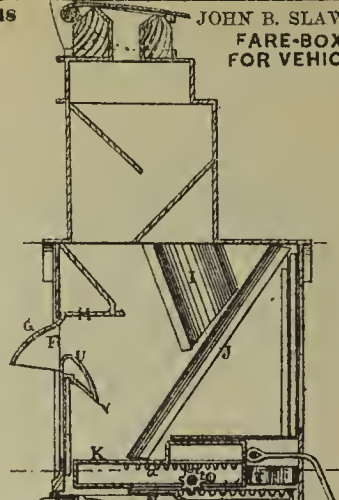
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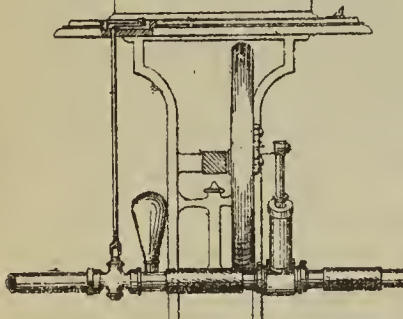
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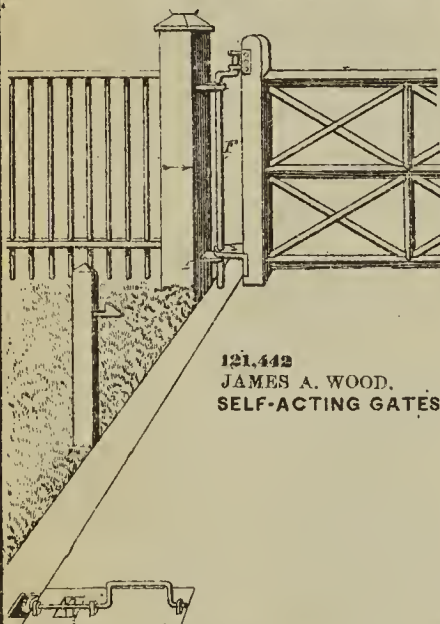
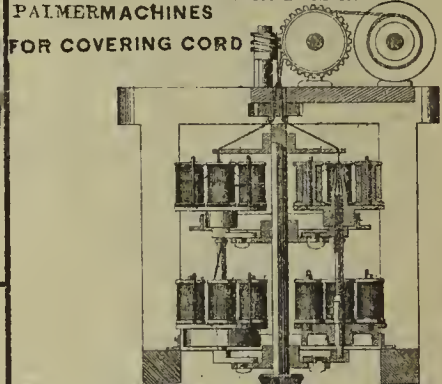
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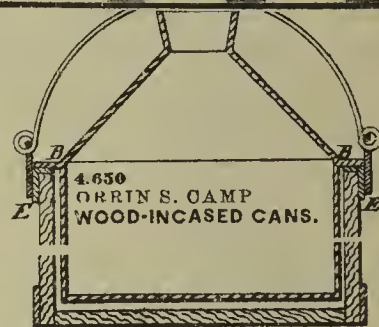
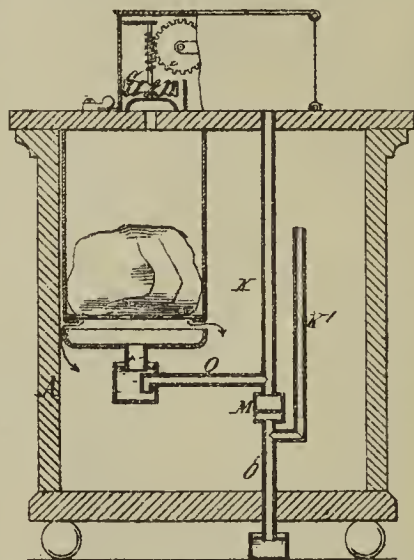


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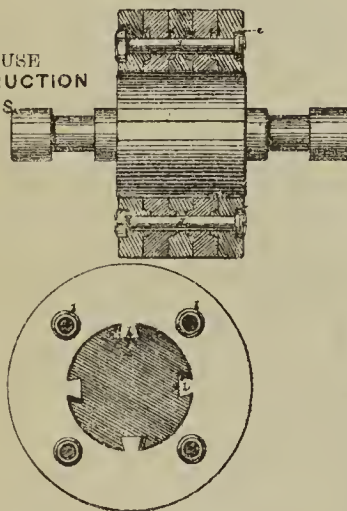
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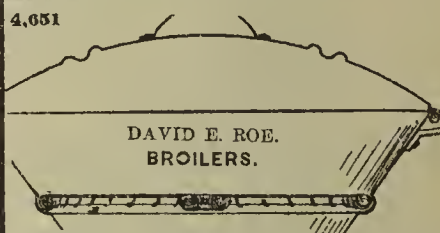
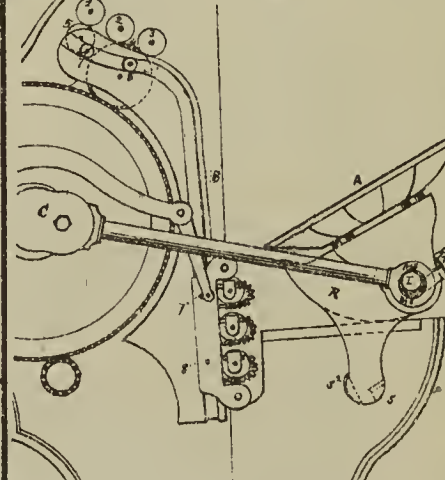


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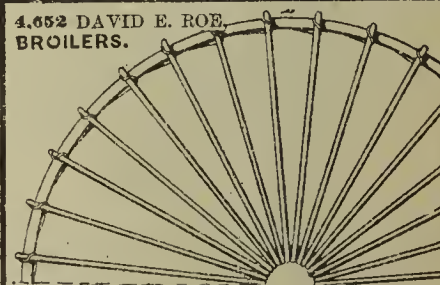


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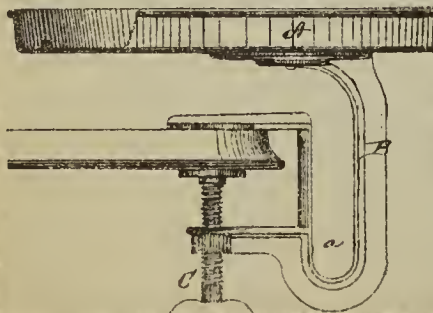
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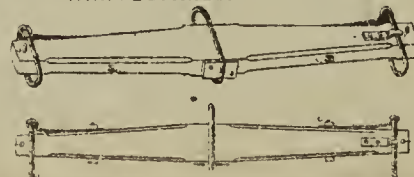


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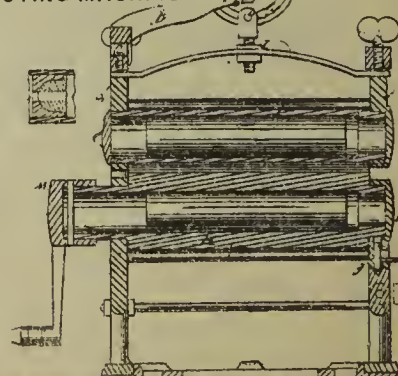
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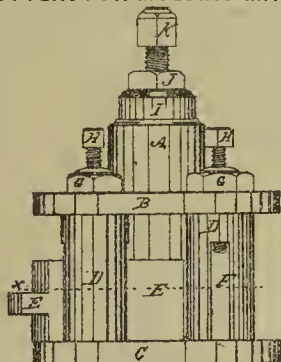


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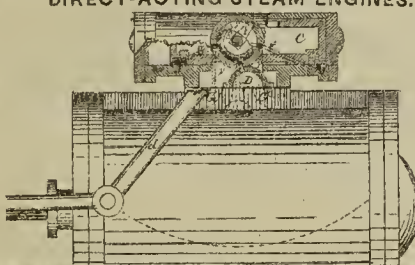


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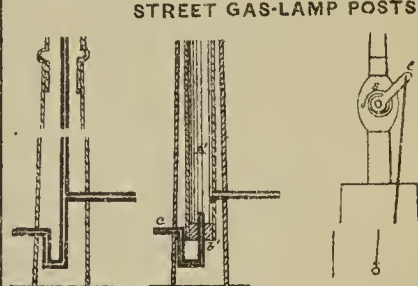
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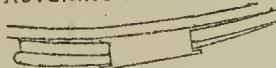
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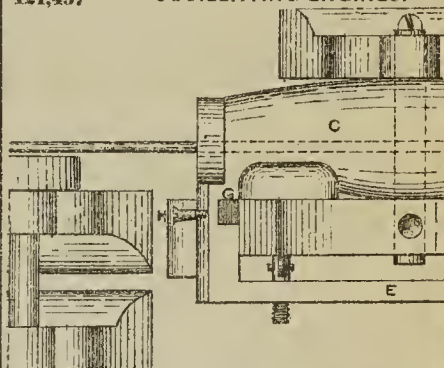
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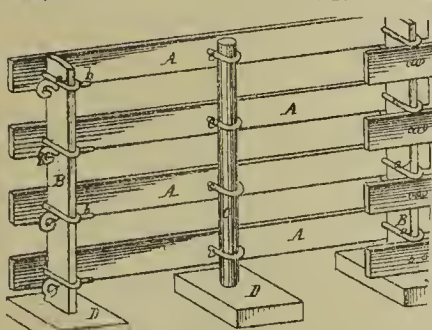
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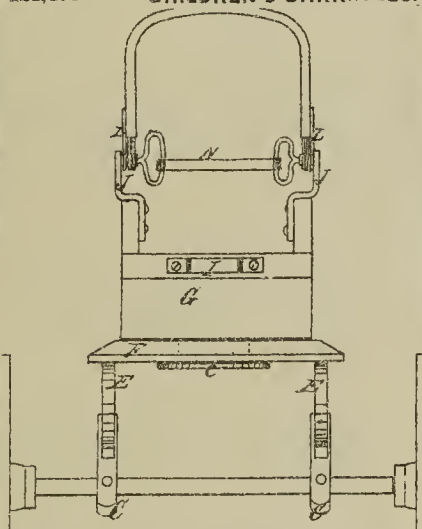
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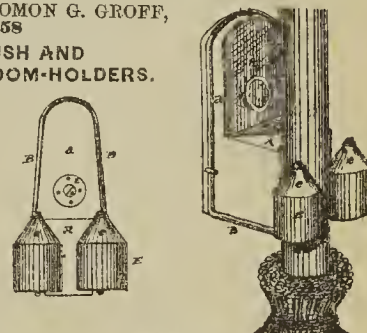
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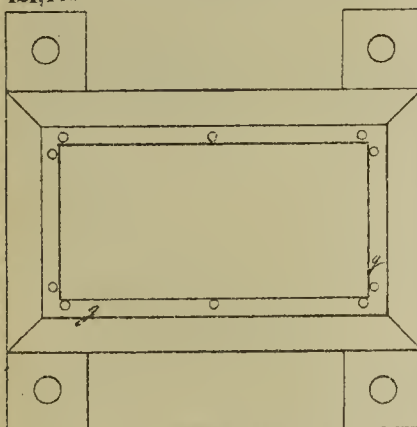
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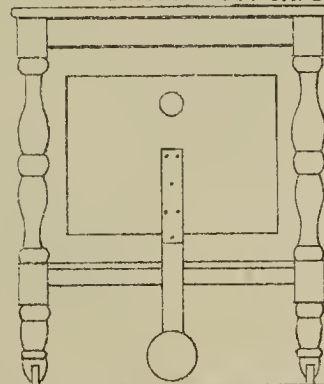
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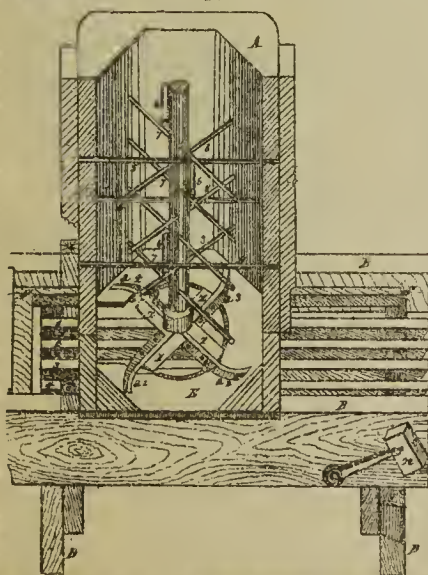
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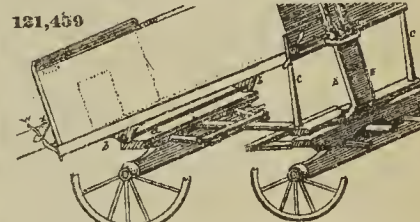
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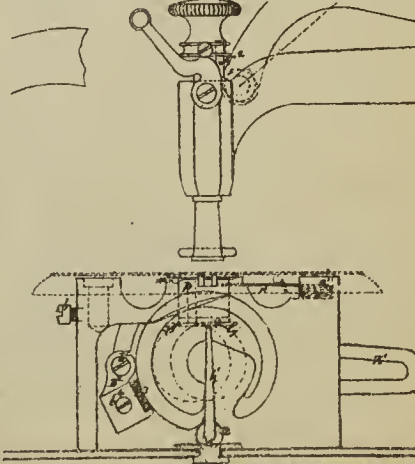
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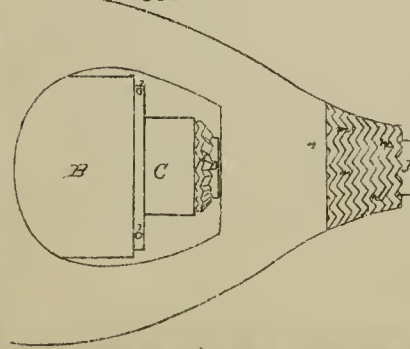
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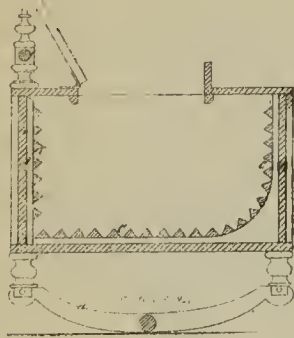
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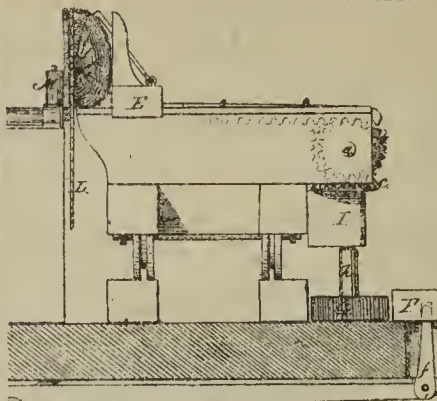
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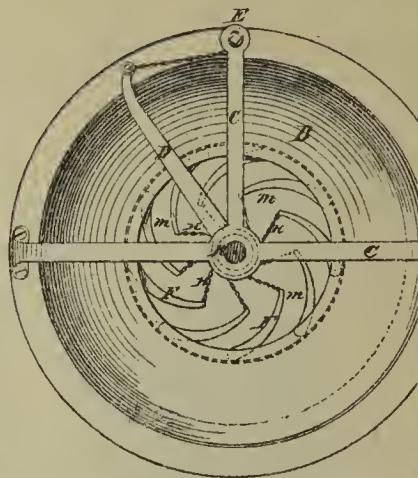
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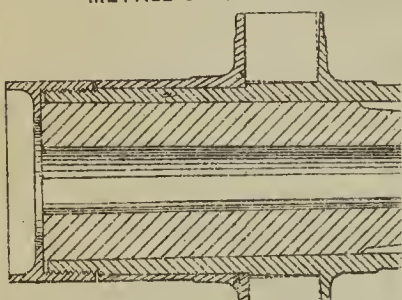
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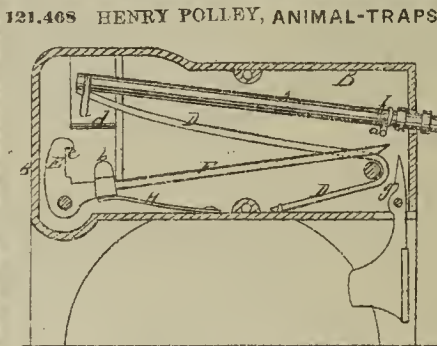
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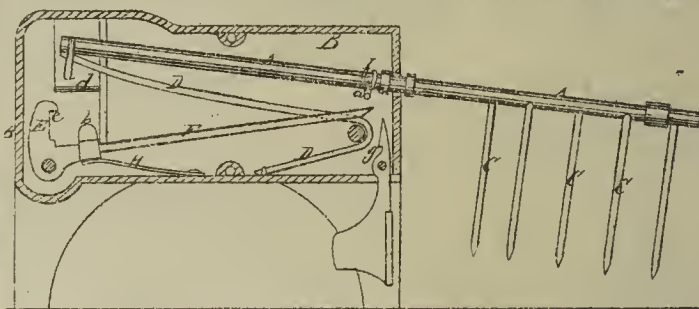
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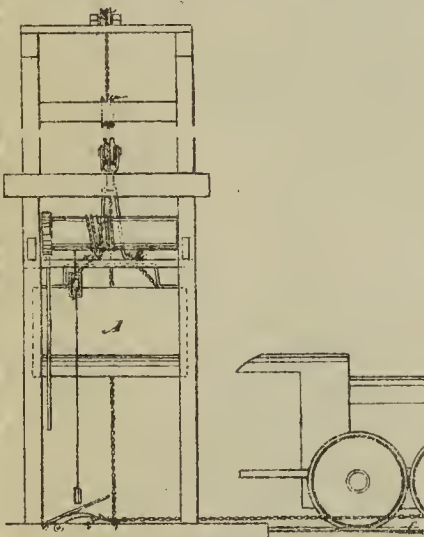
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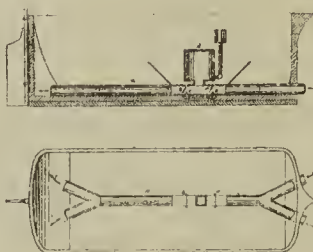
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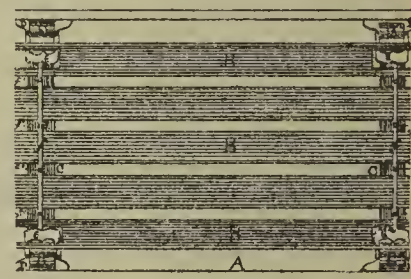
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JESSE NICHOLSON,
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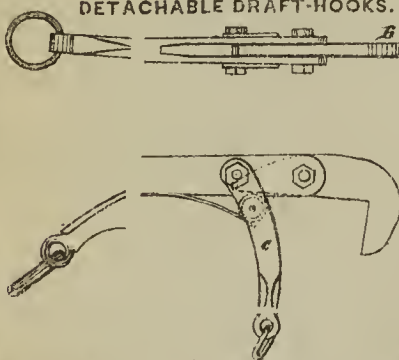
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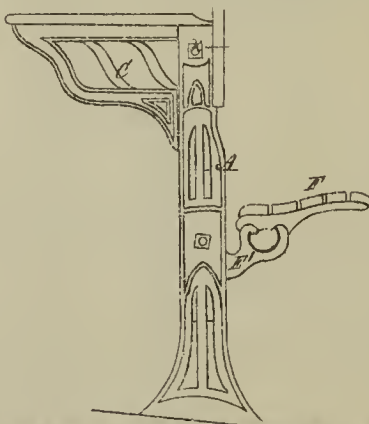
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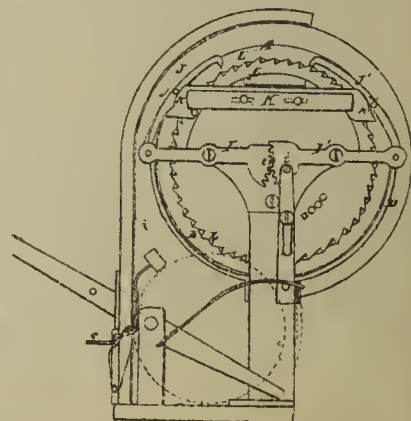
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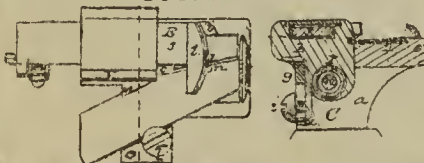
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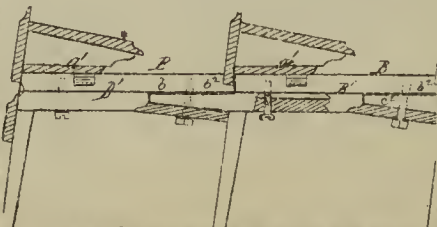
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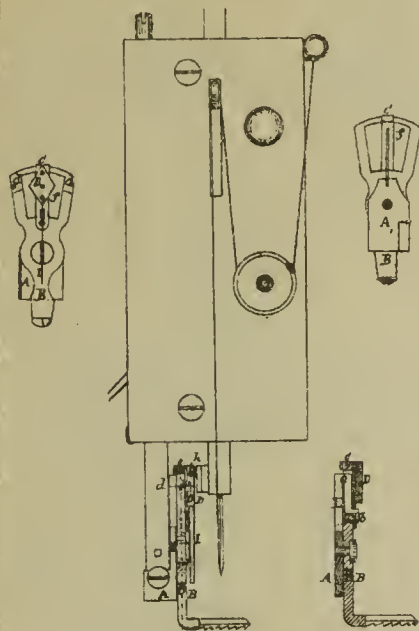
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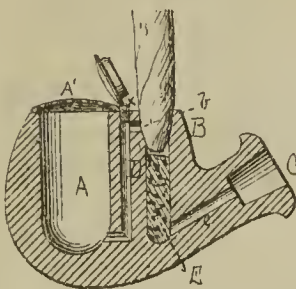
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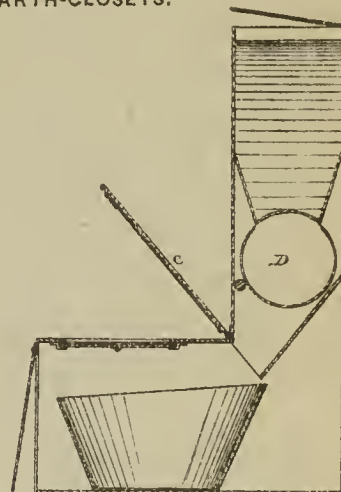
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JOHN N. WILKINS,
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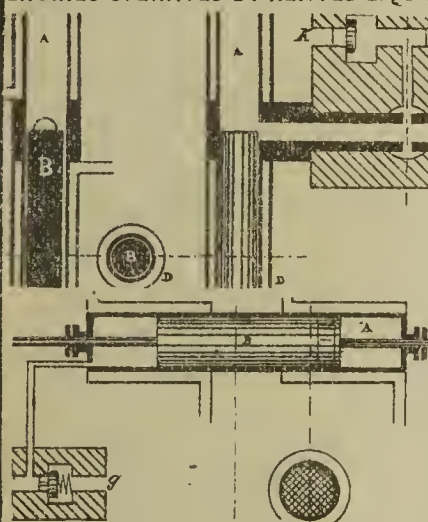
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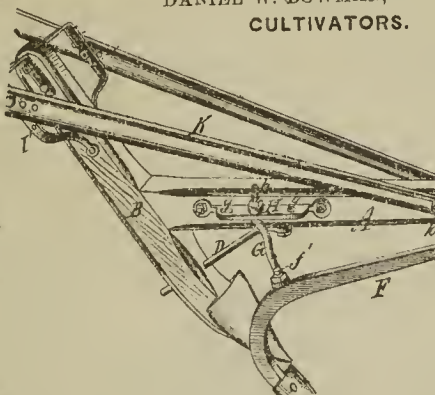
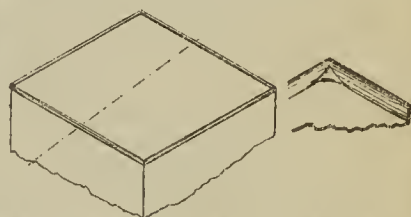
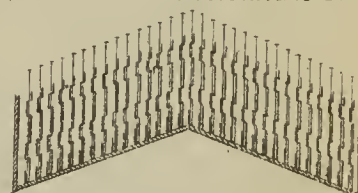
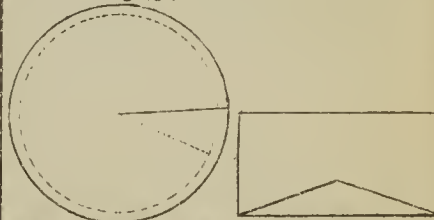
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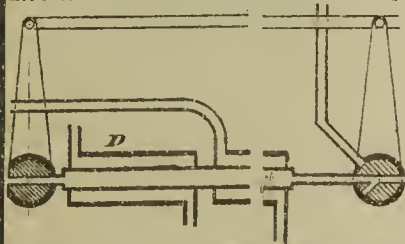
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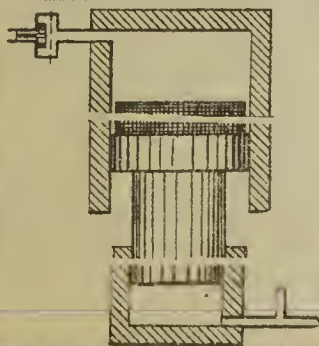
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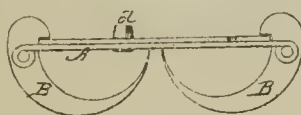
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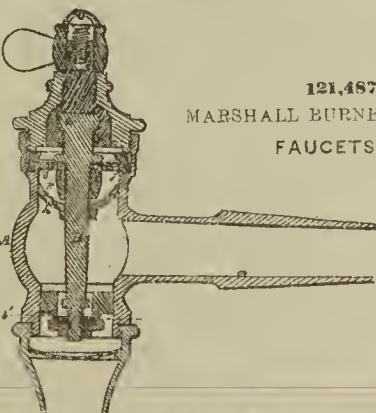
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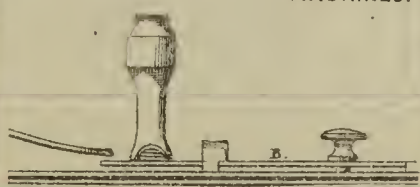
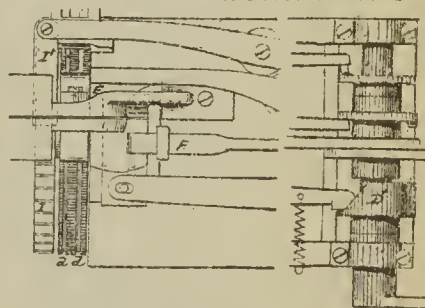
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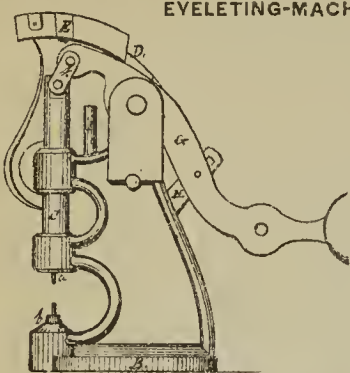
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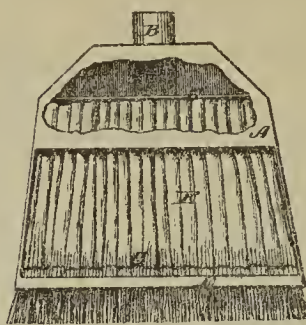
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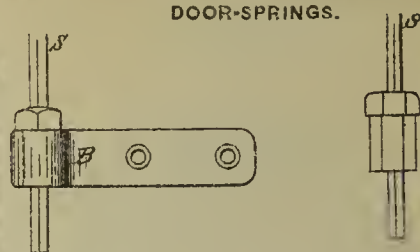
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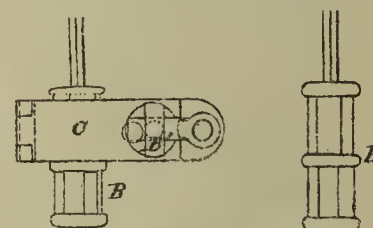
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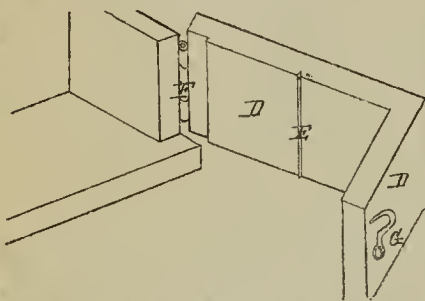
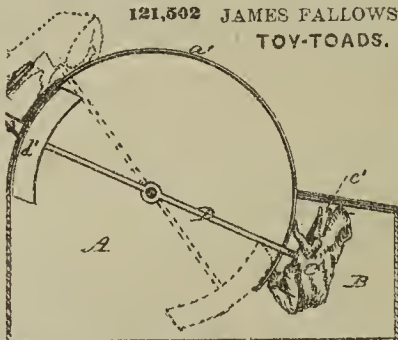
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WILLIAM M. GRAY,
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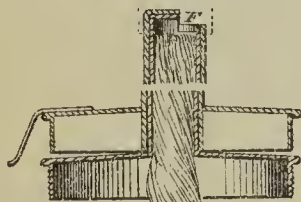
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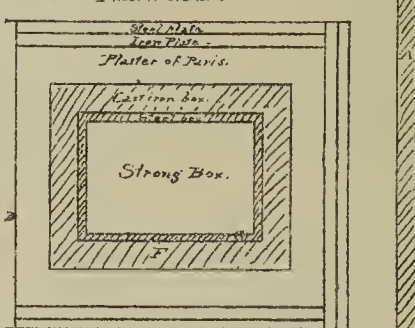
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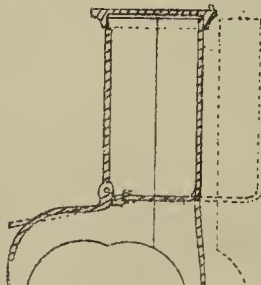
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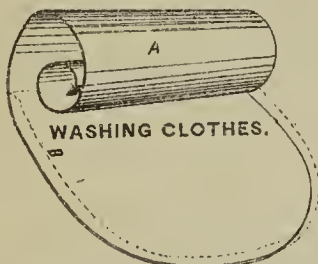
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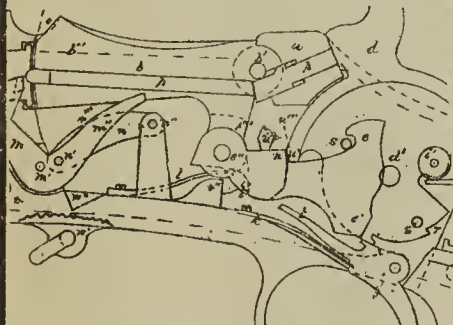
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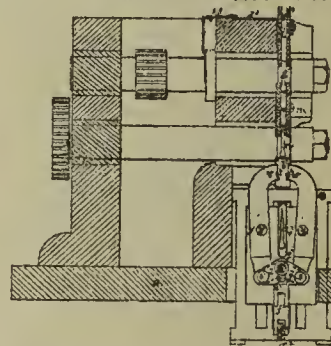
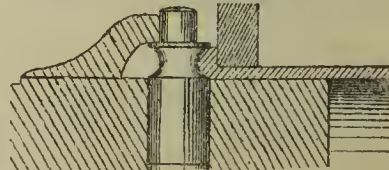
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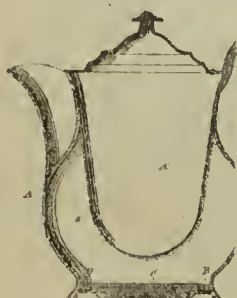
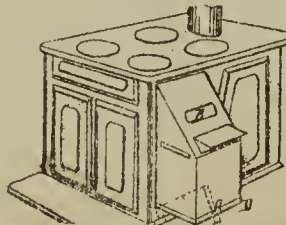
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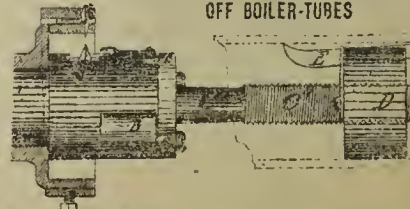
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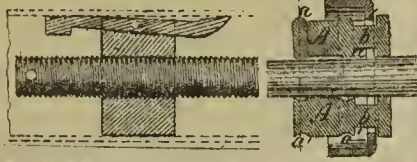
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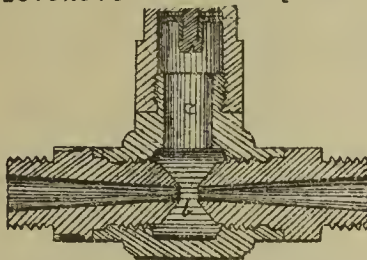
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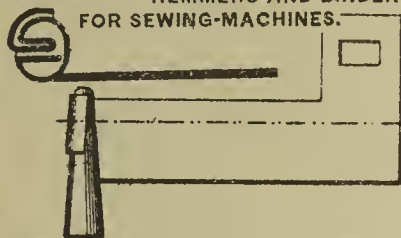
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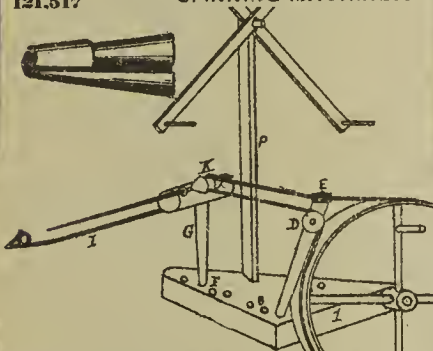
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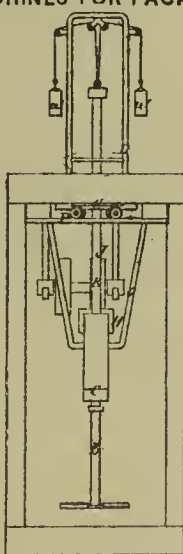
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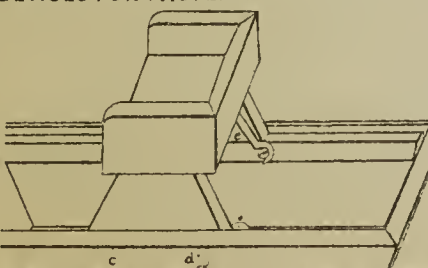
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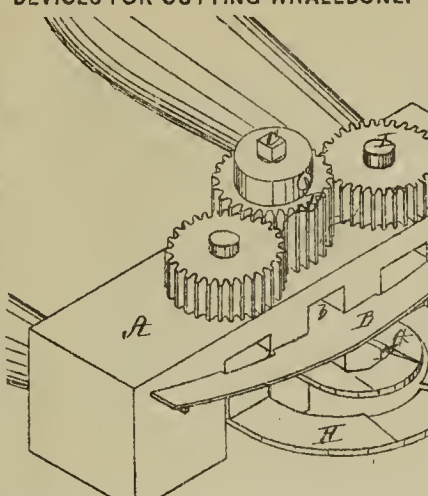
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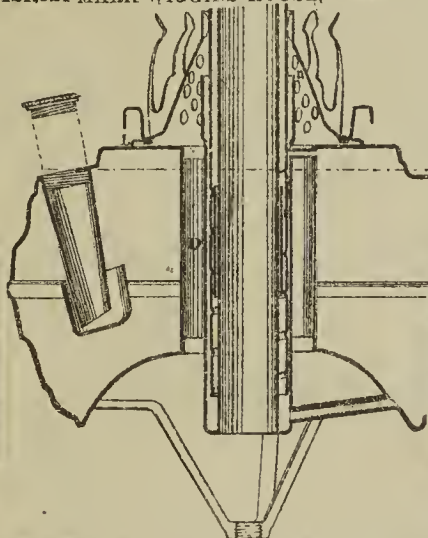
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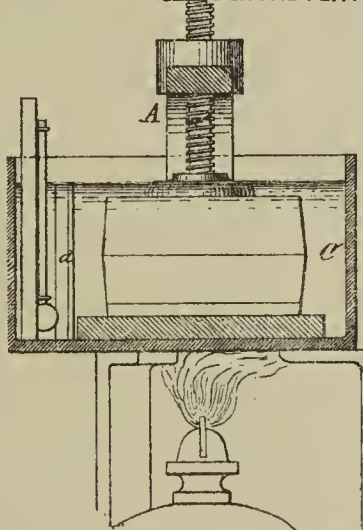
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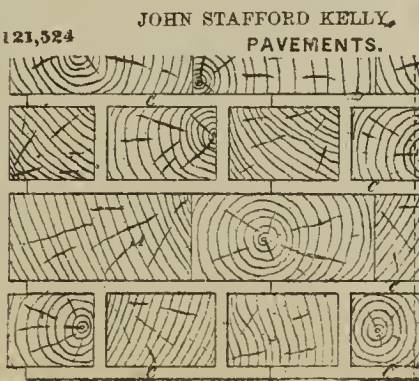
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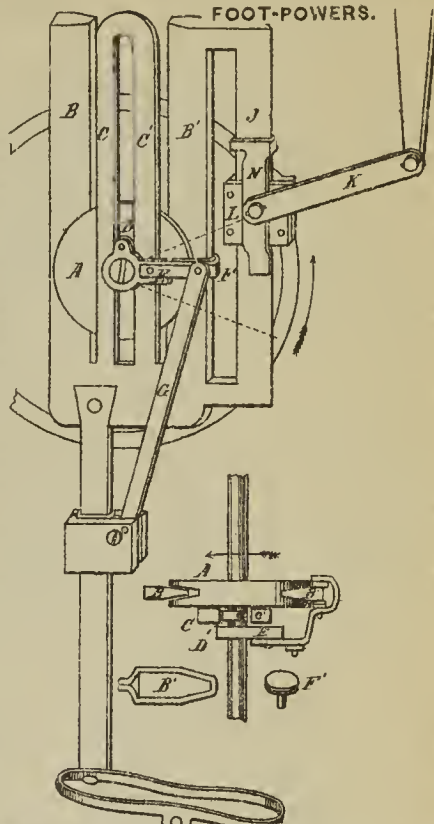
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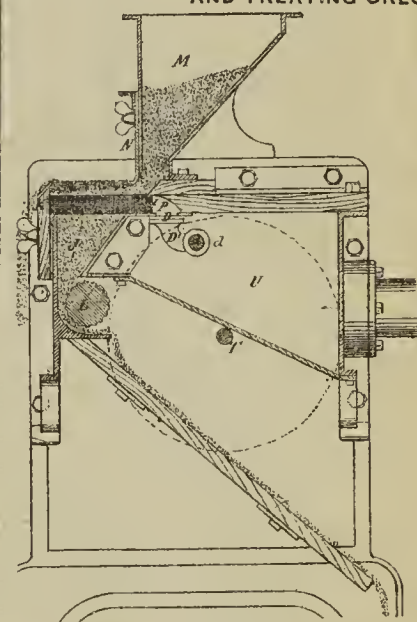
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JOHN STAFFORD KELLY,
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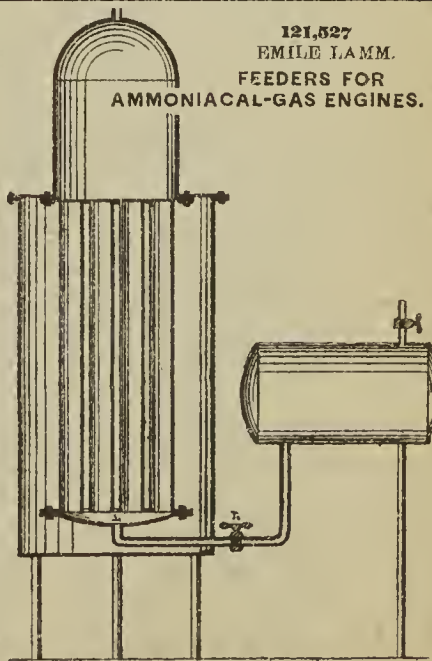
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GEORGE BYRON KIRKHAM
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STEPHEN R. KROM,
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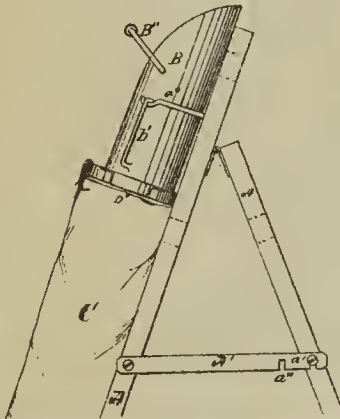
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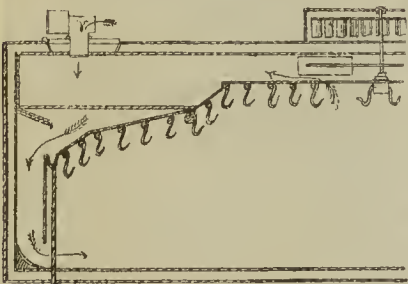
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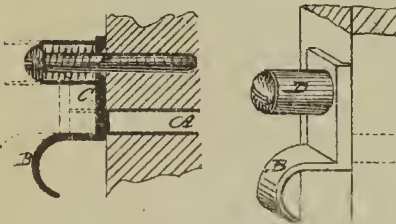
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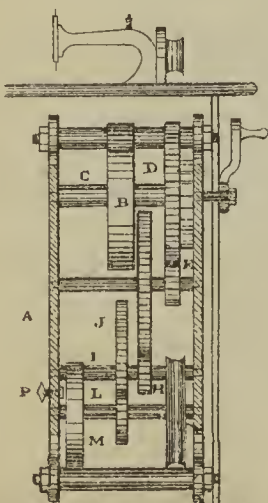
121,530 AZEL STORRS LYMAN,
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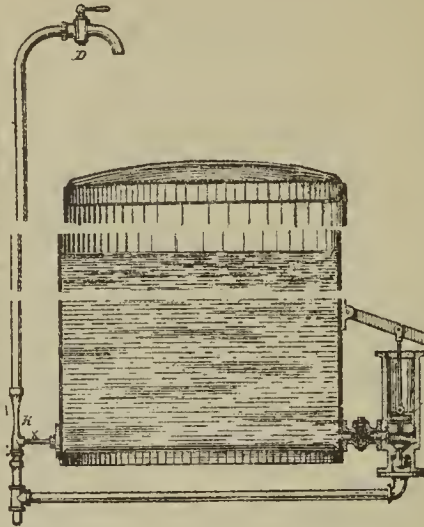
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121,532 JAMES A. MACAULEY,
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121,533 PHILIP W. MACKENZIE,
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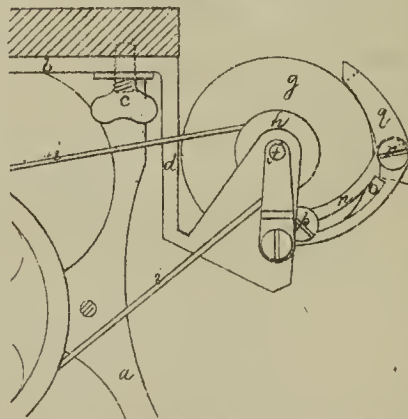


121,534 NATHAN McKELFRESH,
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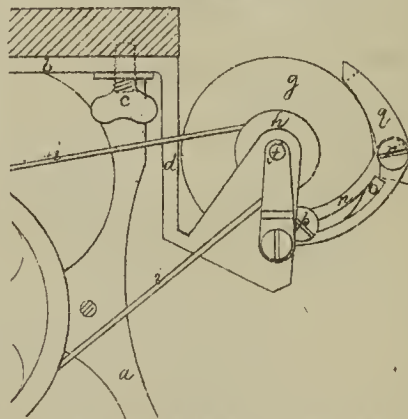


121,535 THOMAS MEIKLE,
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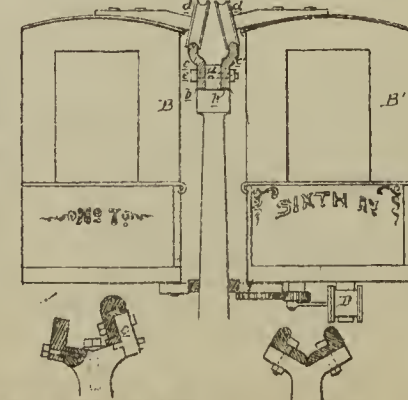
121,536 ALEXANDER MILES,
CLEANSING THE HAIR.



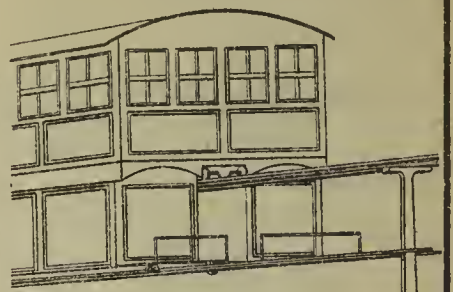
121,537 RUSSELL S. MORSE,
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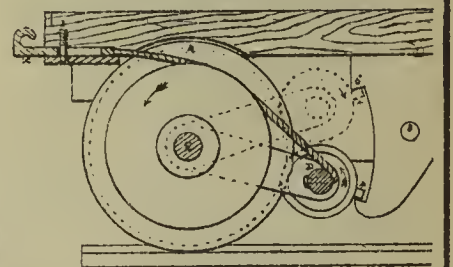
121,538 JOHN B. NEWBROUGH,
ELEVATED RAILWAYS.



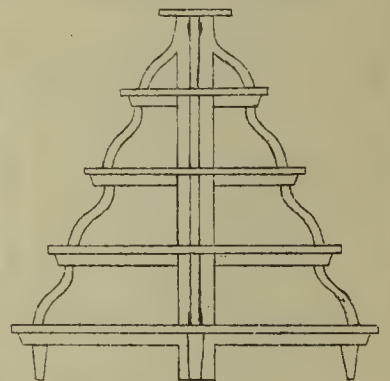
121,539 JOHN B. NEWBROUGH,
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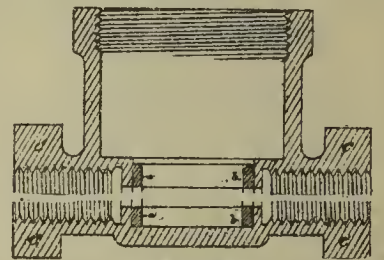
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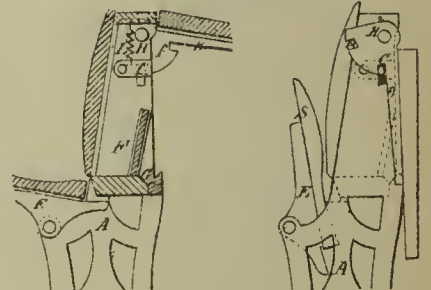
121,541 BENJAMIN B. NOURSE,
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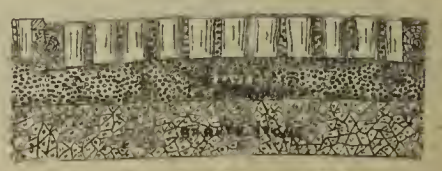
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121,543 ISAAC NEWTON PIERCE,
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121,544 ROBERT O. PHILLIPS,
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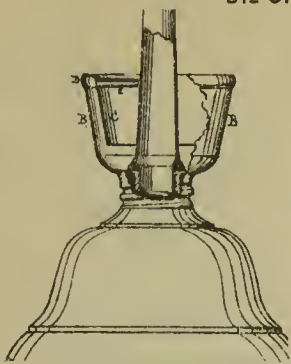


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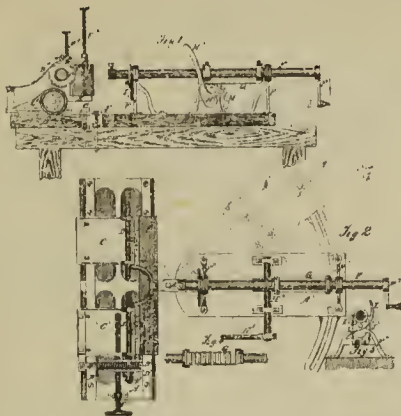
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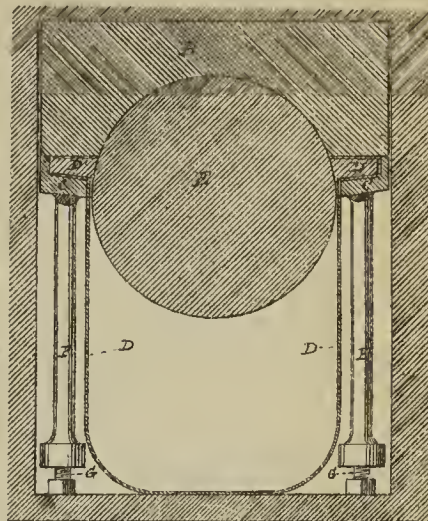
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GILBERT STEWART PRIOR,
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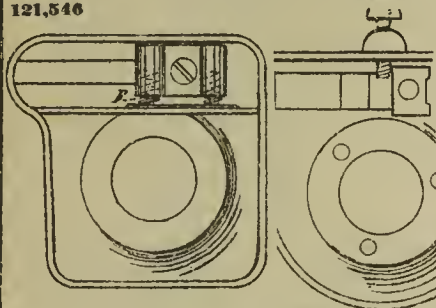
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ENOCH J. ROWE.
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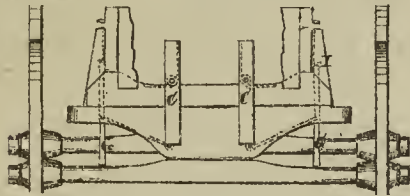
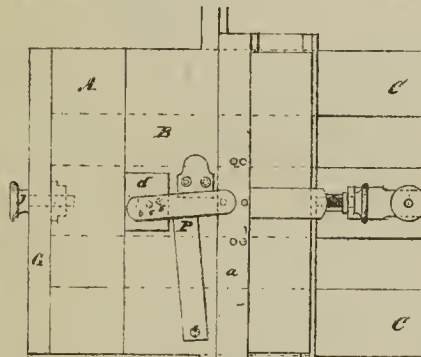
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STEPHEN USTICK.
LUBRICATORS FOR CAR-JOURNALS.

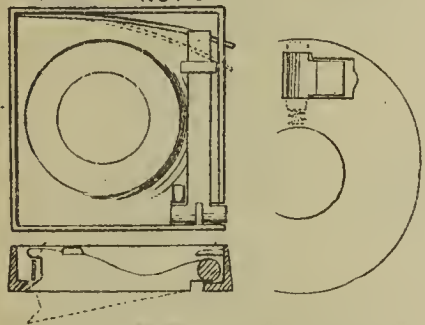
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HADWEN L. PURDIE,
NUT-LOCKING DEVICES.

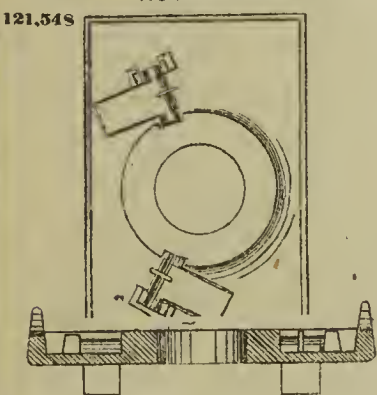
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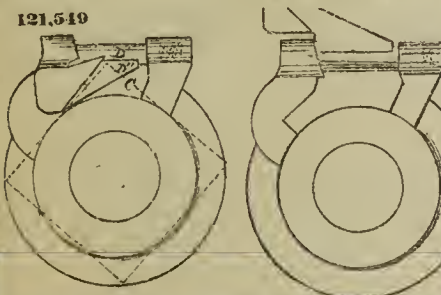
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NUT-LOCKING DEVICES.

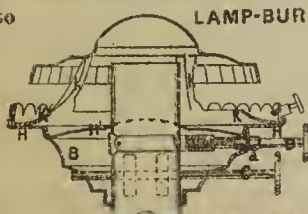
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HADWEN L. PURDIE,
NUT-LOCKING DEVICES.

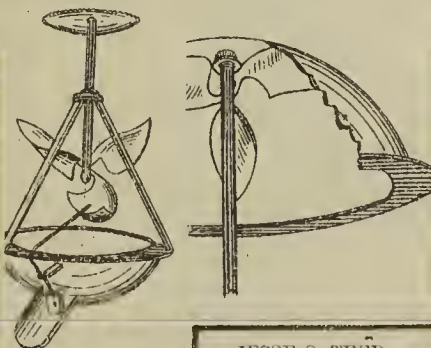
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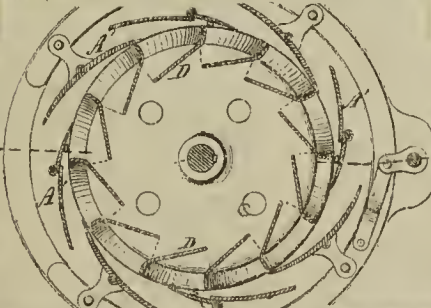
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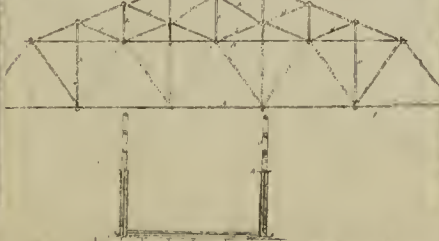
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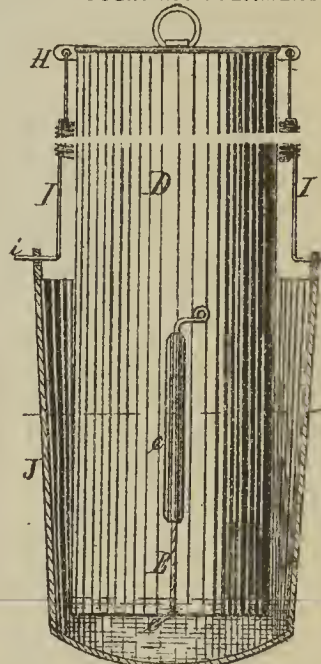
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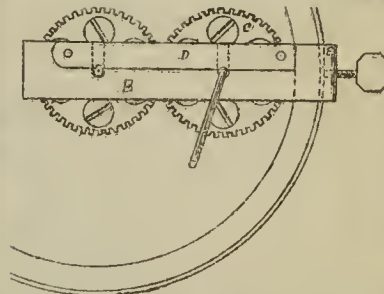
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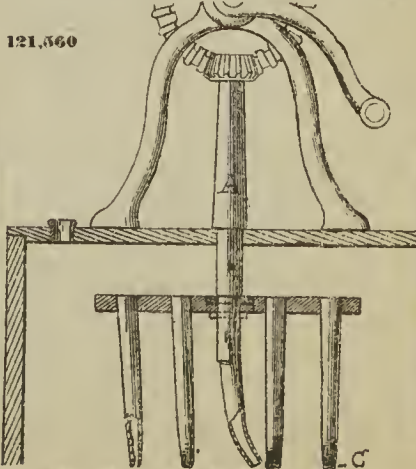
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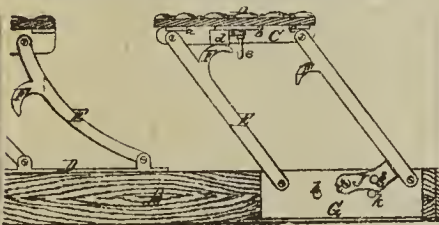
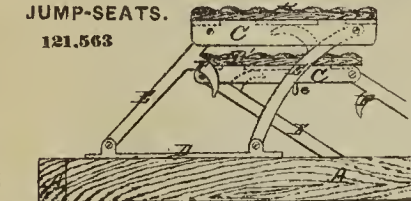
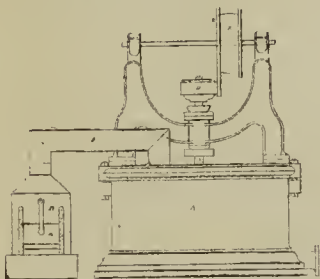
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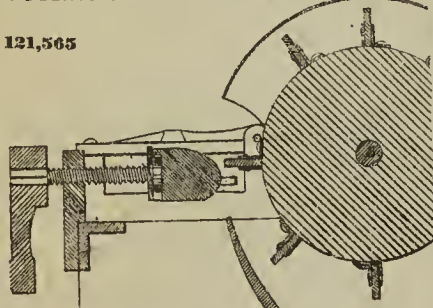
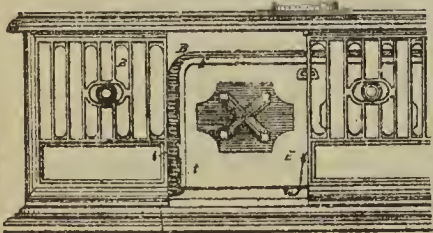
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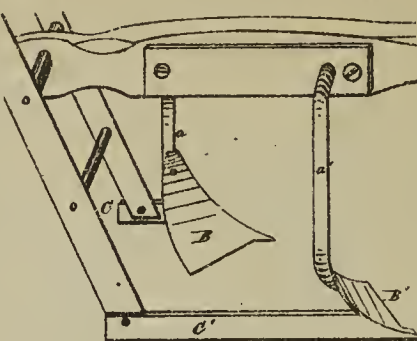
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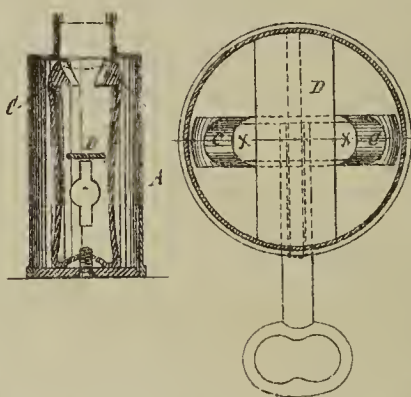
121,566 JEREMIAH A. WEAKLEY,
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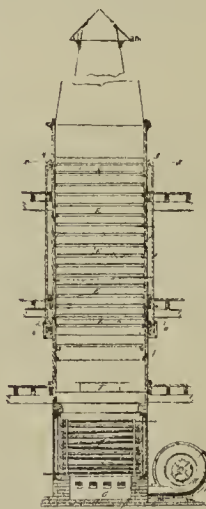
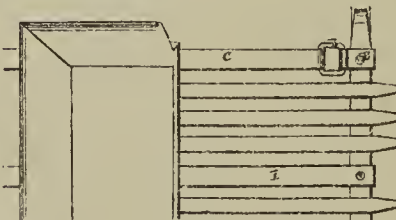
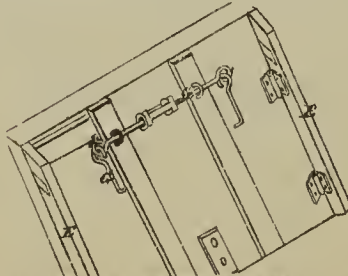
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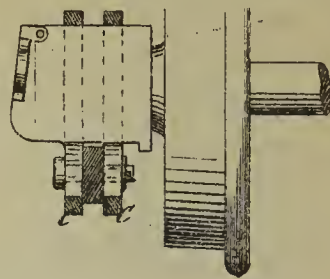
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FRANK ADAMS,
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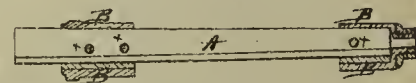
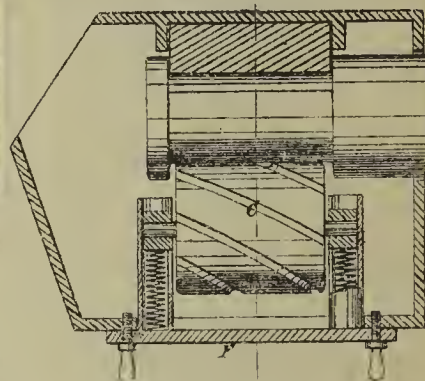
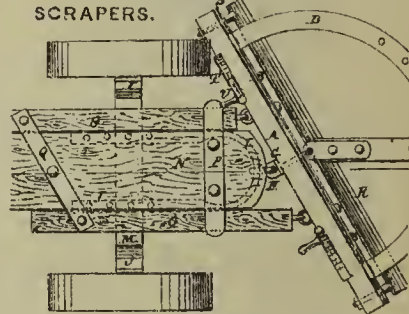
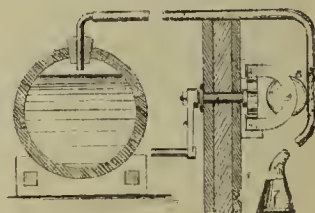
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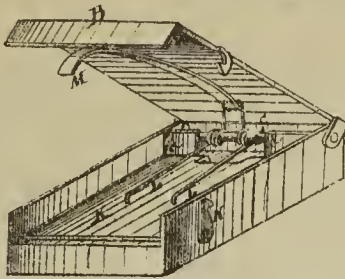
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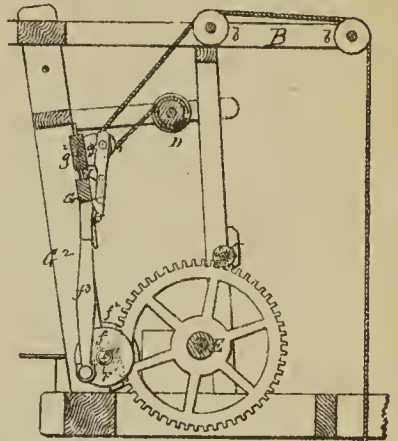
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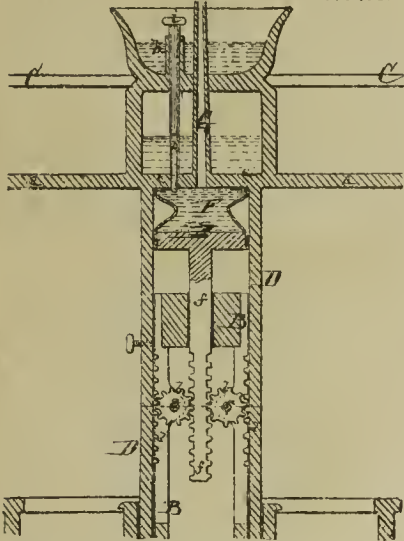
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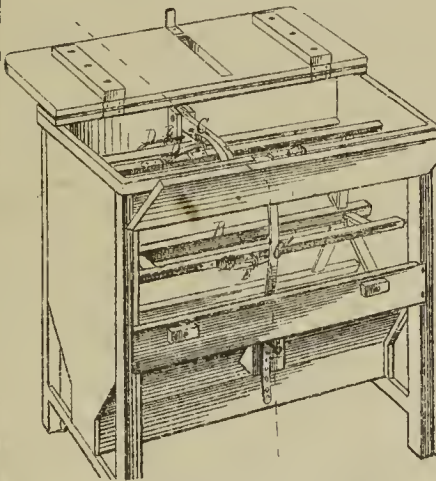
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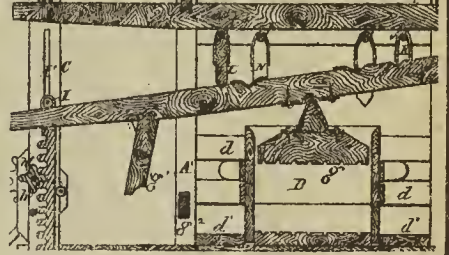
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HENRY BROEDEL,
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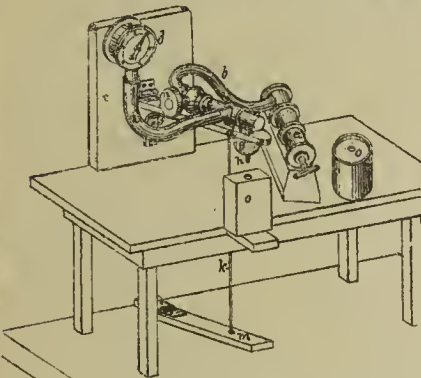
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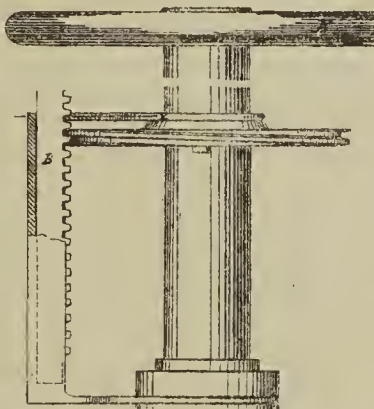
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WILLIAM D. BROOKS,
APPARATUS FOR TESTING
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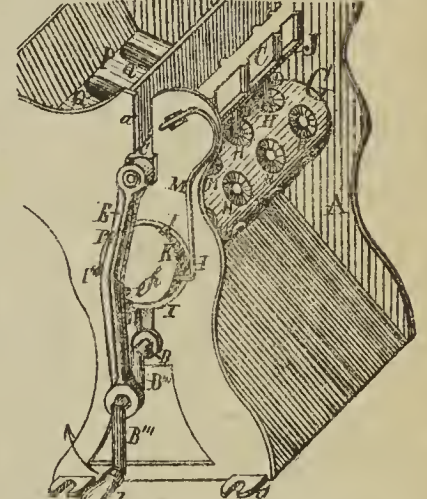
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JOHN F. CAVARLY,
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JOHN C. CHAPMAN,
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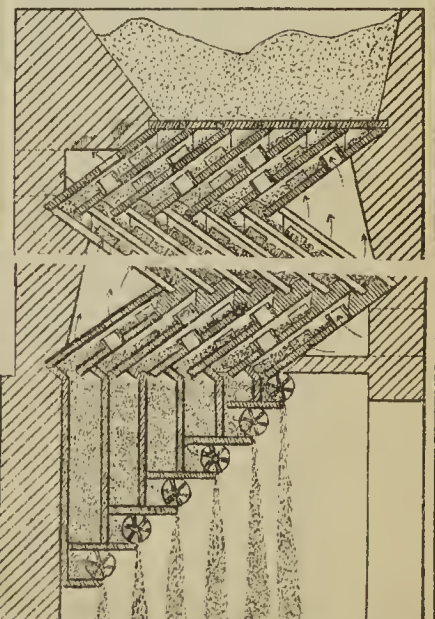
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ABNER M. COMSTOCK,
CHERRY-STONERS.HENRY S. COX,
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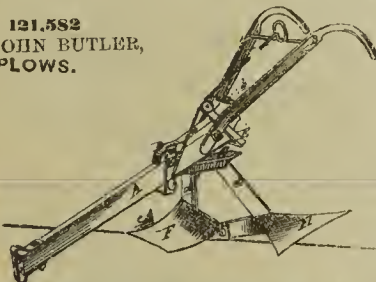
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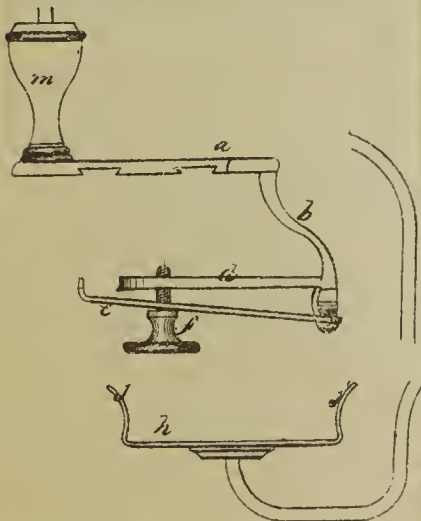
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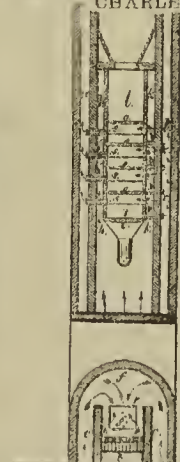
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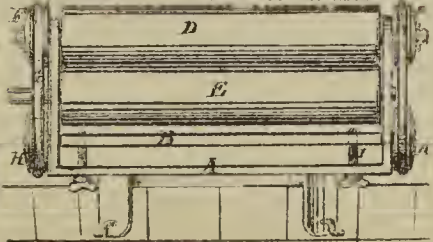
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HENRY CAMPBELL,
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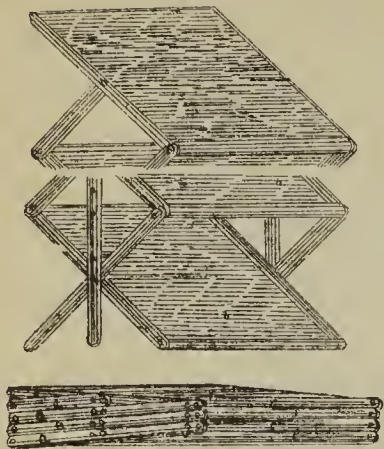
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CHARLES F. CHICHESTER,
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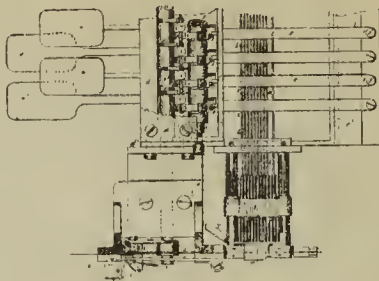
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JAMES M. CLARK,
WRINGING-MACHINES.

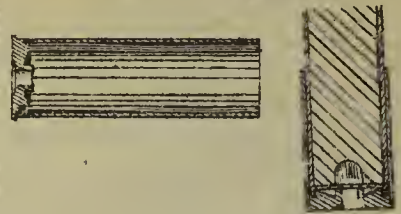
121,596 JOSEPH MASON DENNIS,
EXTENSIBLE FURNITURE.



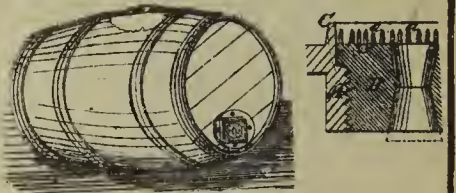
121,601 THOMAS A. EDISON,
PERFORATING PAPER FOR TELEGRAPHIC PURPOSES.



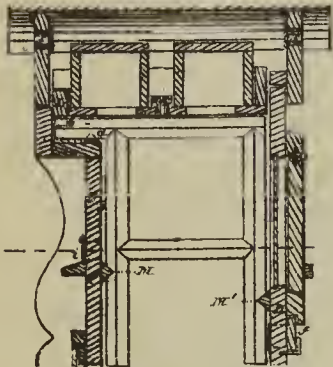
121,606 FOREHAND AND WADSWORTH,
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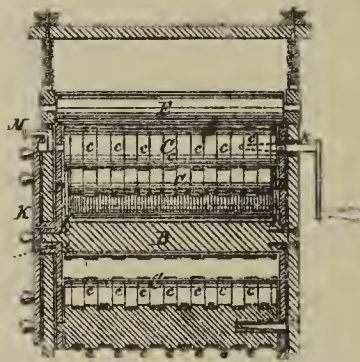
121,607 VINCENT FOUNTAIN, JR.,
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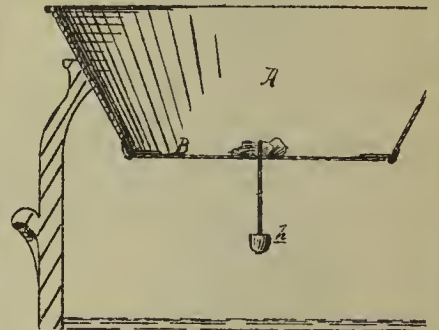
121,597 AARON F. DICKEY,
BEE-HIVES.



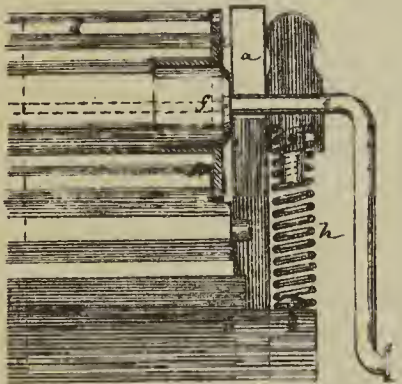
121,602 GEORGE H. FAYMAN,
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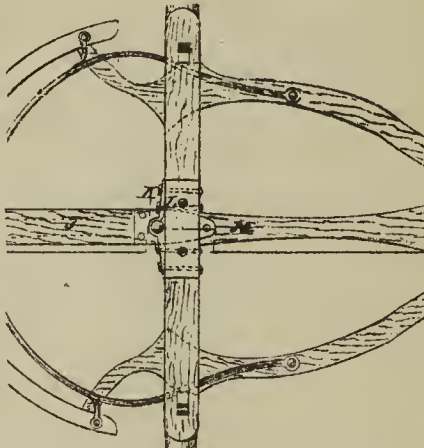
121,608 DUDLEY M. FRANCISCO,
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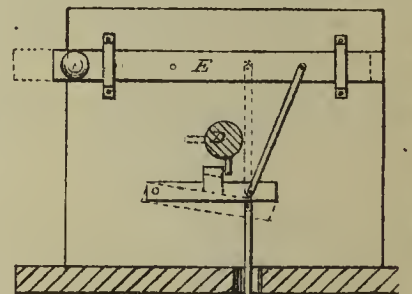
121,598 OSCAR L. DORR,
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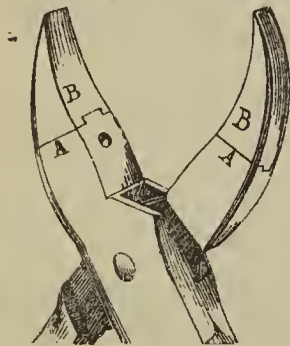
121,603 AMAZIAH FINLEY,
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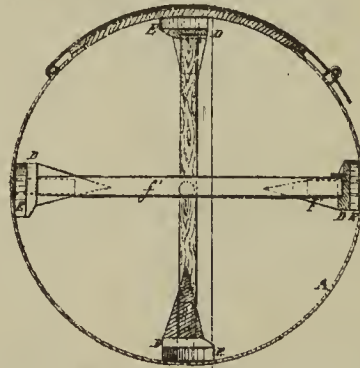
121,609 LEVI K. FULLER,
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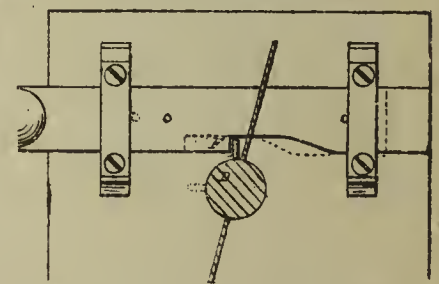
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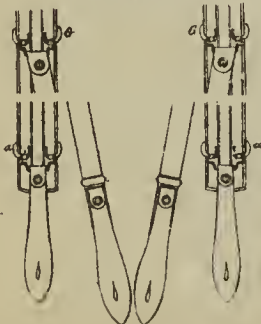
121,604 MILES FISK. CHURNS.



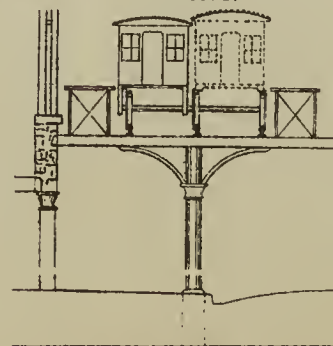
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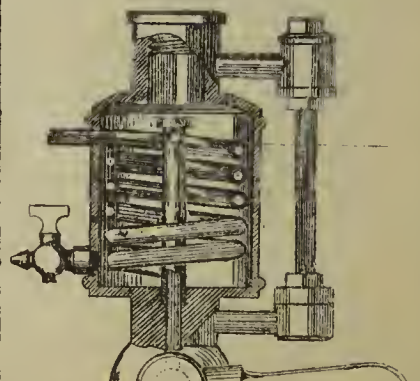
121,600 ROBERT HENRY EDDY,
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121,605 DANIEL FITZGERALD,
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121,611 WILLIAM T. GARRATT,
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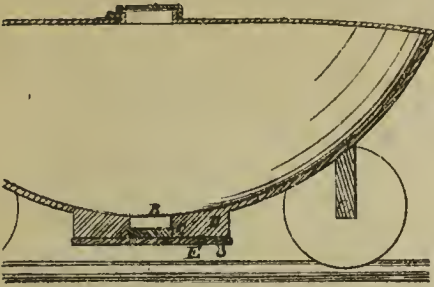


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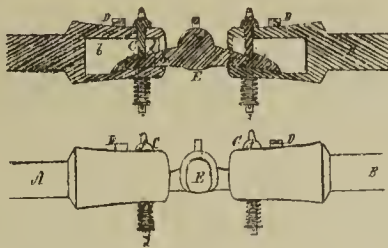
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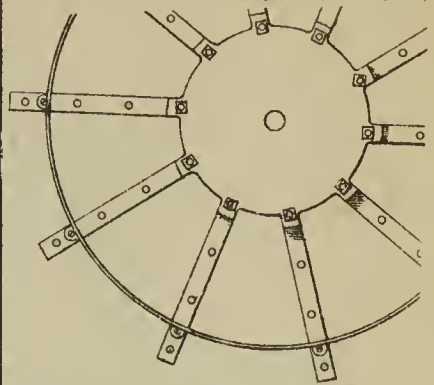
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ALPHONSO E. GORDON
GRAIN-CARS.

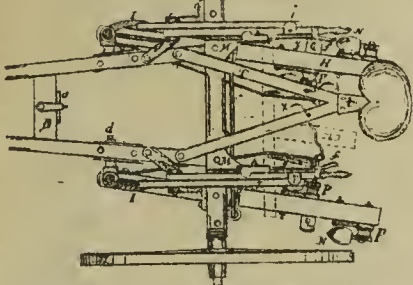
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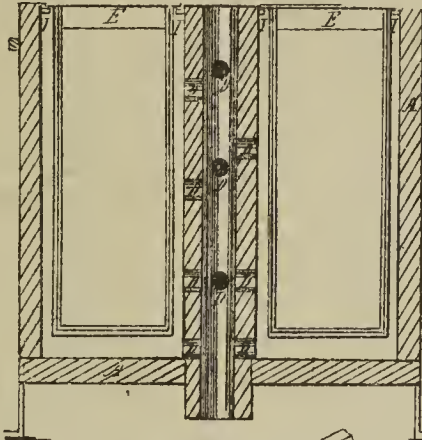
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ROTARY HARROWS.
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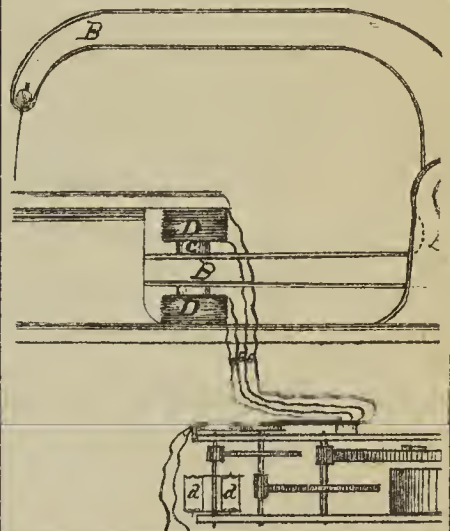
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MARQUIS L. GORHAM,
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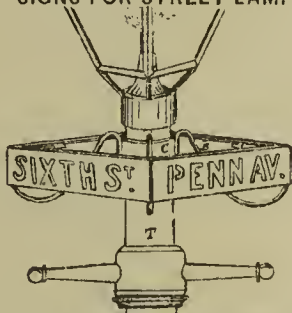
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JASPER N. HIERONYMUS,
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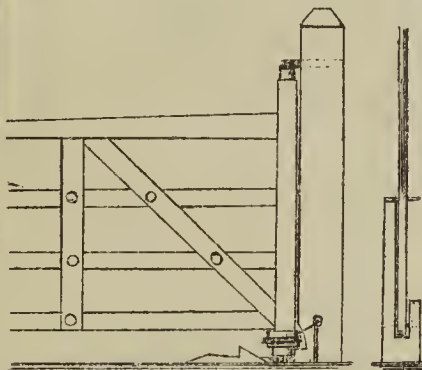
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GEORGE M. HOPKINS,
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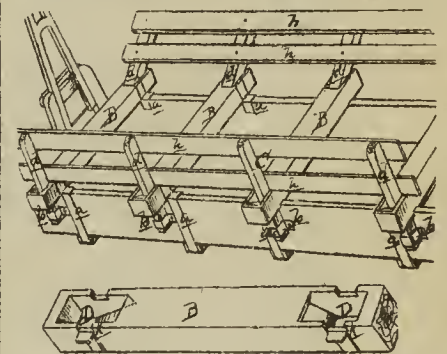
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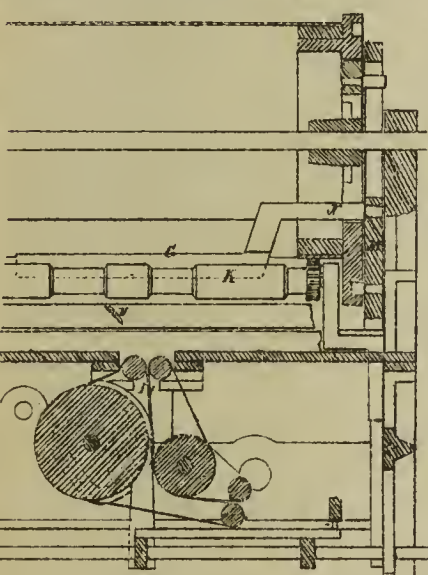
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ALBERT N. HOLMES,
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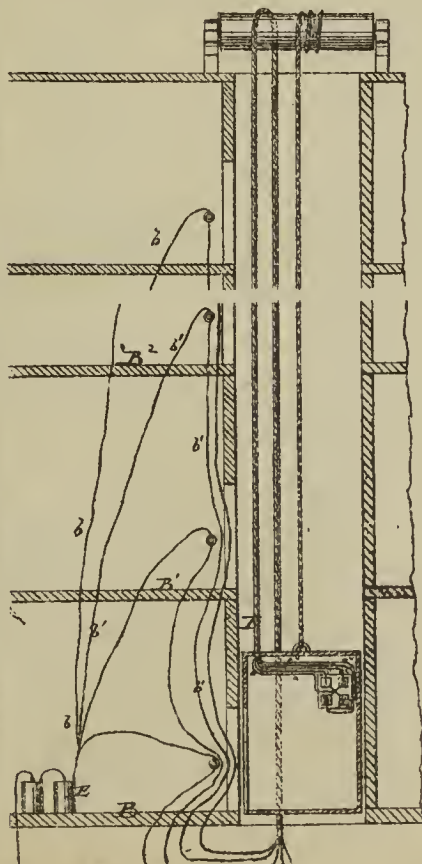
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ISAAC N. HOYT,
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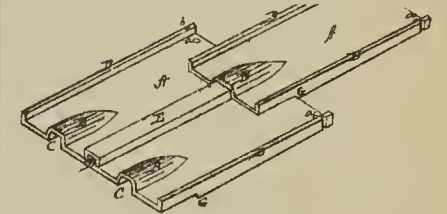
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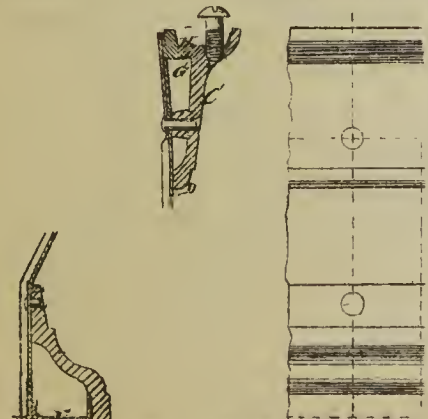
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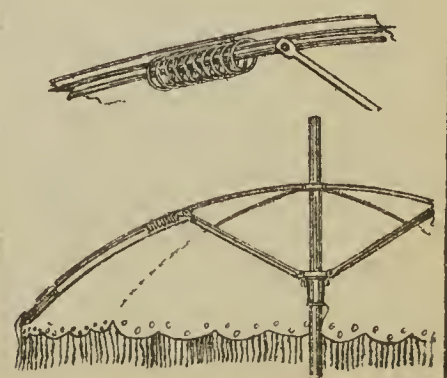
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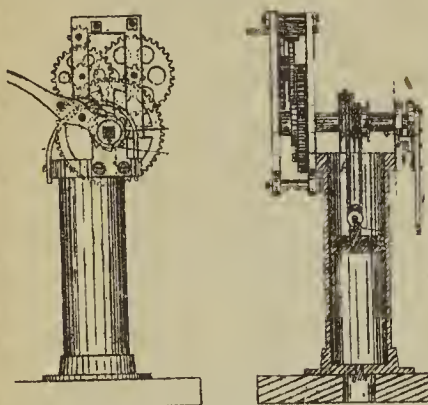
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JOSEPH HACKETT,
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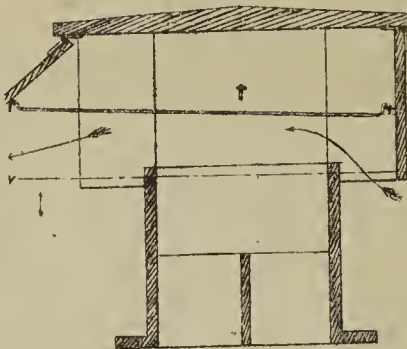
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JAMES LOUIS JACQUIN,
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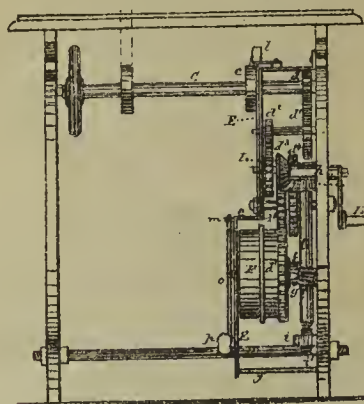
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THOMAS B. JEFFERY.
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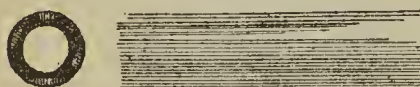
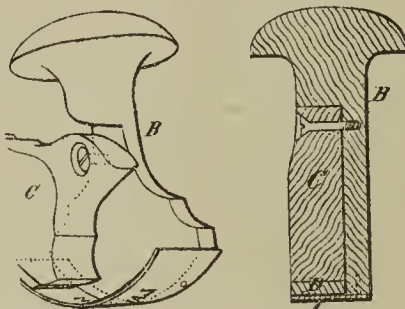
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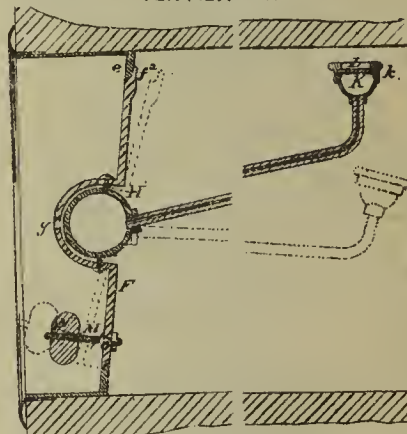
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GEORGE W. MANSON.
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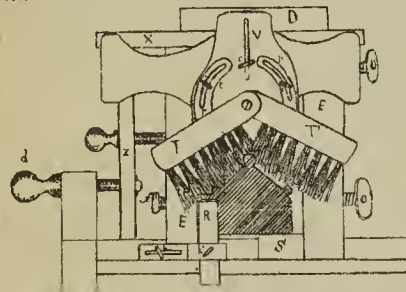
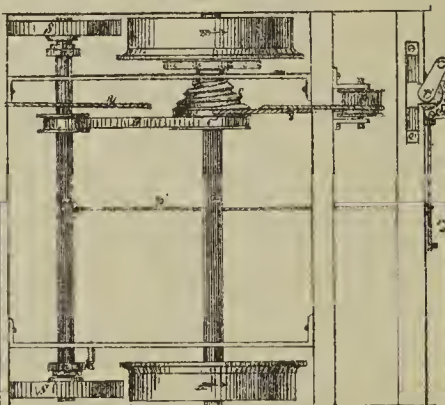
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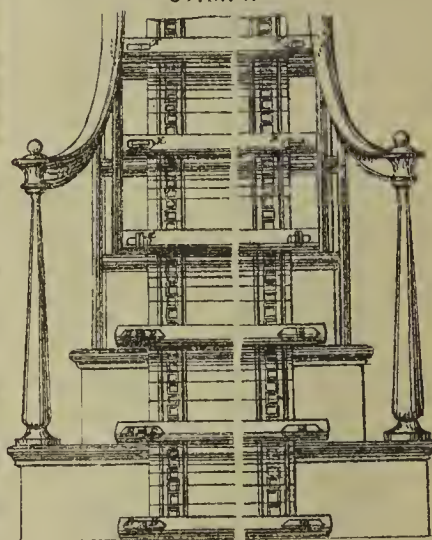
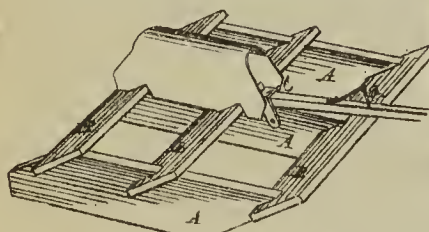
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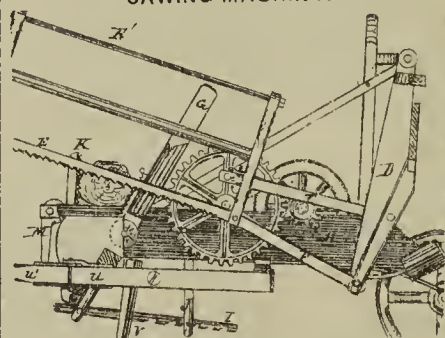
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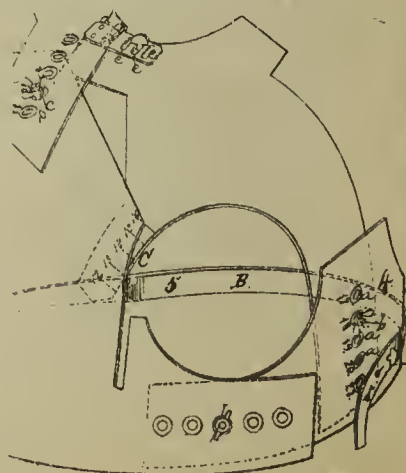
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KASSON AND KASSON, GLOVES.

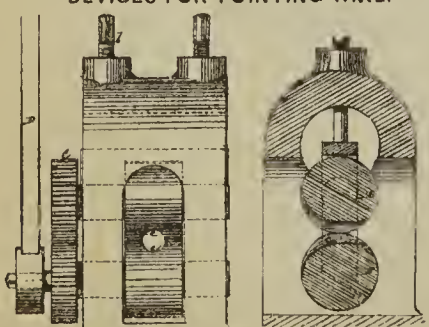
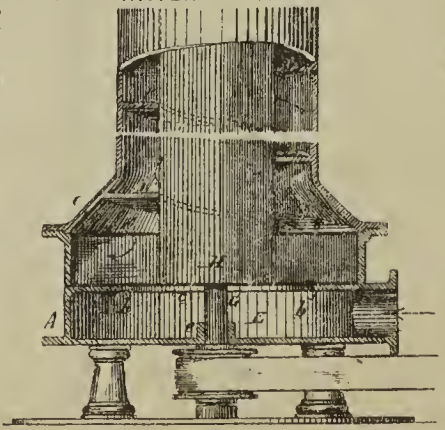
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121,636 IRA B. LEWIS.
SAWING-MACHINES.

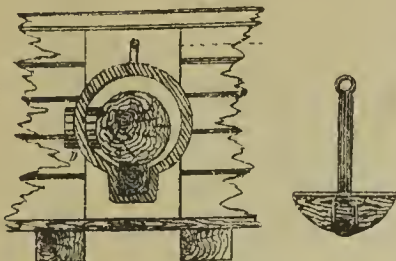
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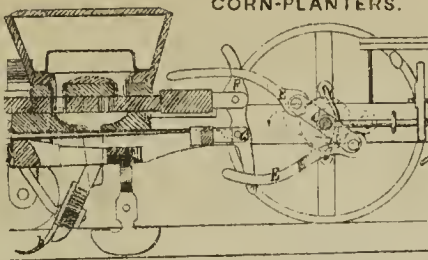
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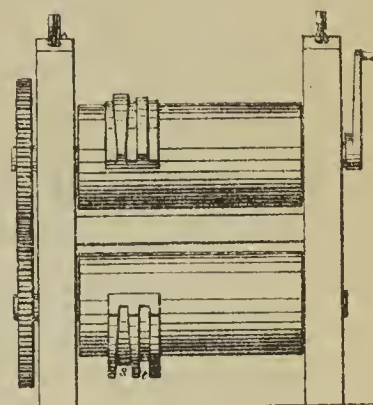
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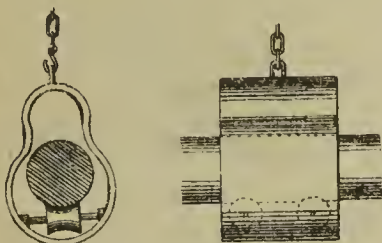
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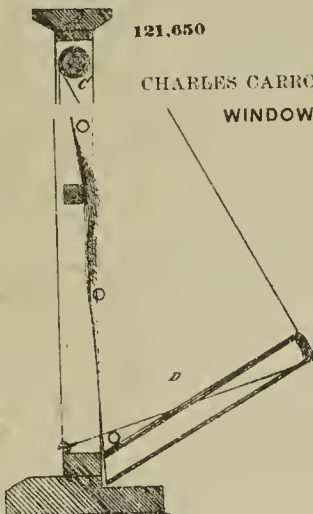
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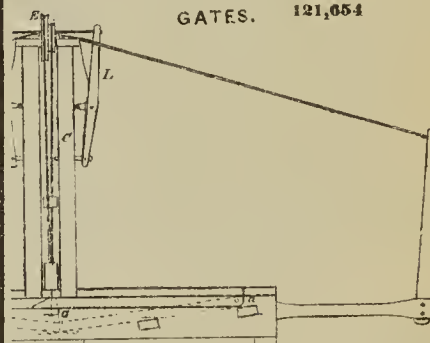
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121,650 CHARLES CARROLL MOORE,
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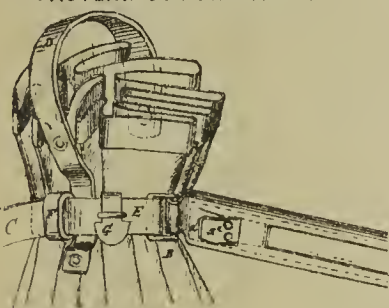


VINCENT CAMPBELL NEWLAND,
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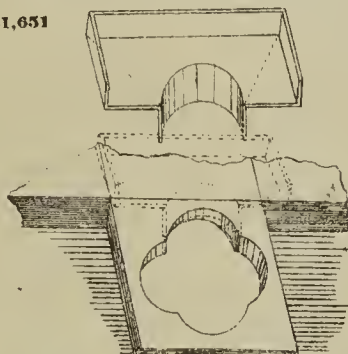


121,645 JOHN McDONALD,
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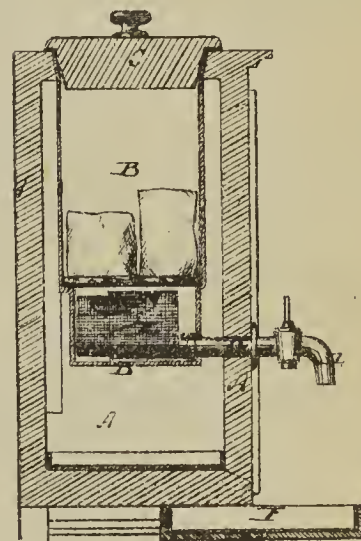
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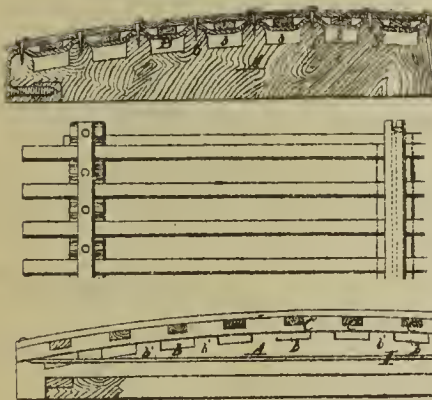
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INLAYING PLASTIC PAVEMENTS.



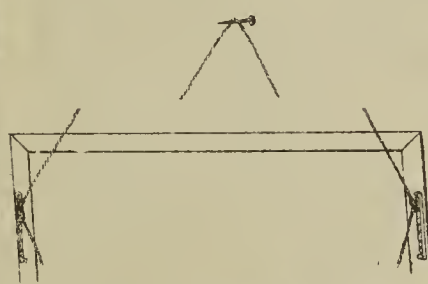
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121,647 ALONZO D. McMASTER,
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121,652 CHARLES H. MOULTON,
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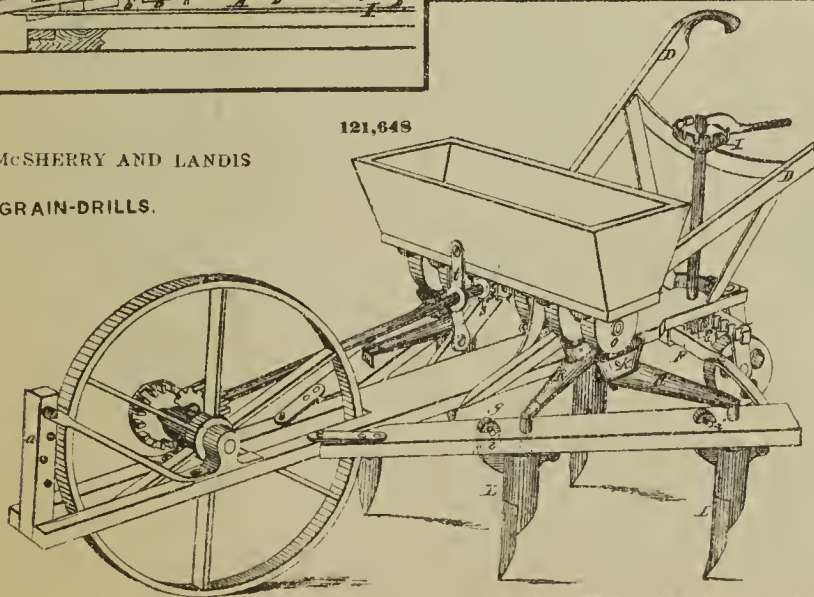


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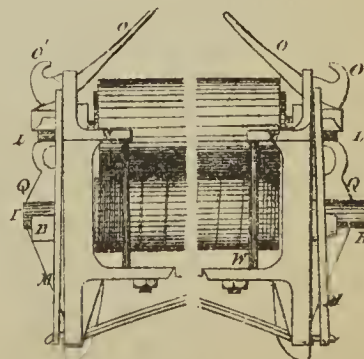


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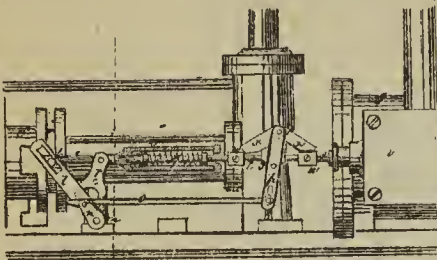
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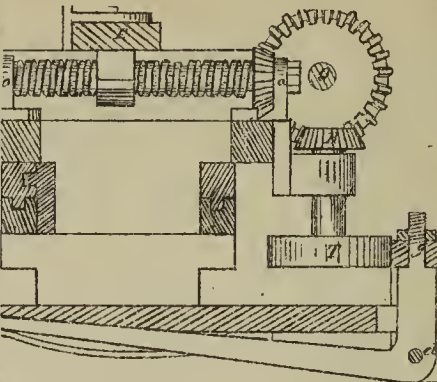
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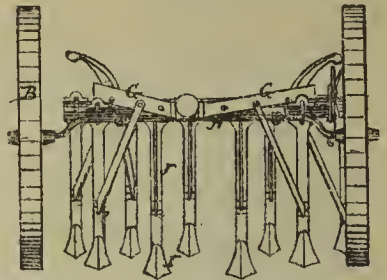
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ALBERT PERRY,
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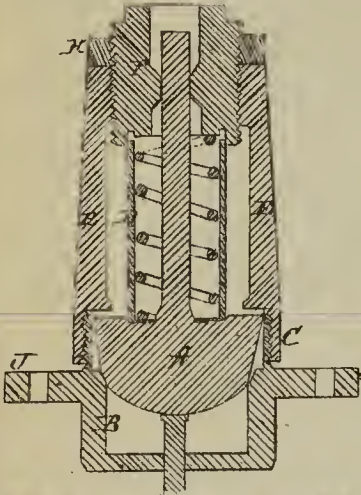
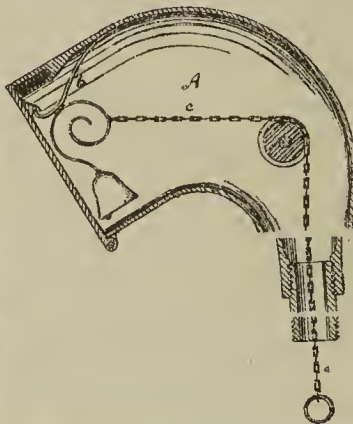
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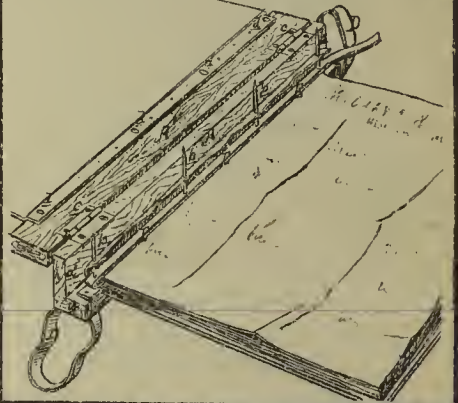
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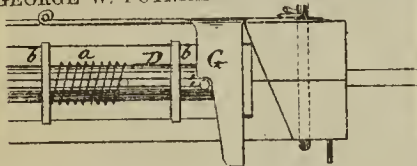
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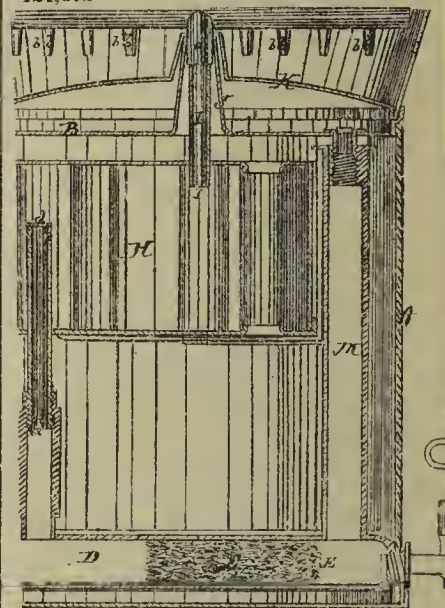
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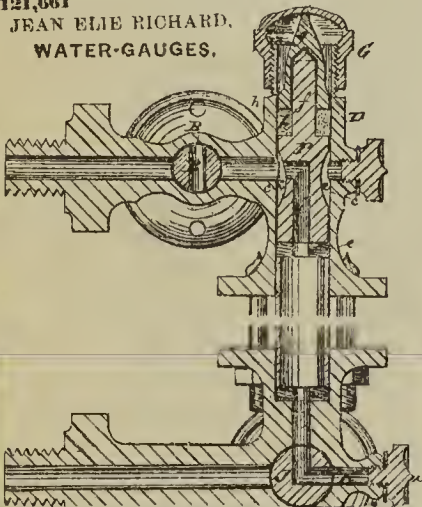
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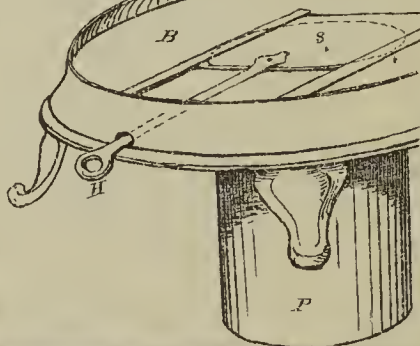
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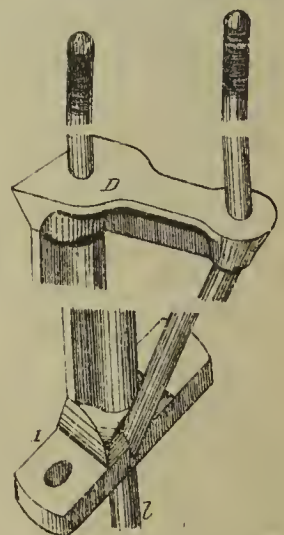
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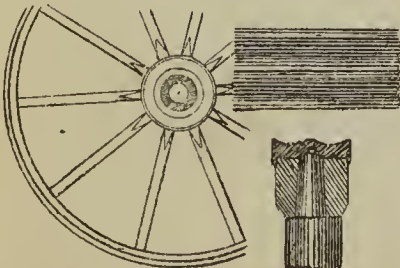
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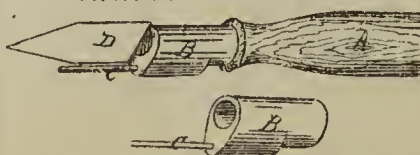
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LEWIS RIGHTER,
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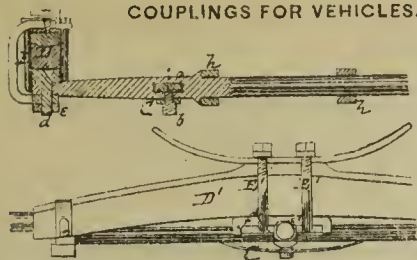
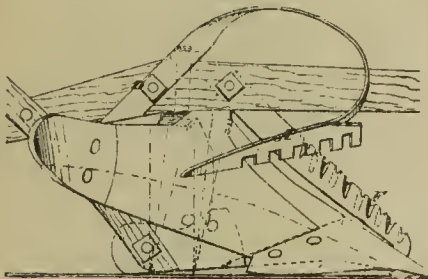
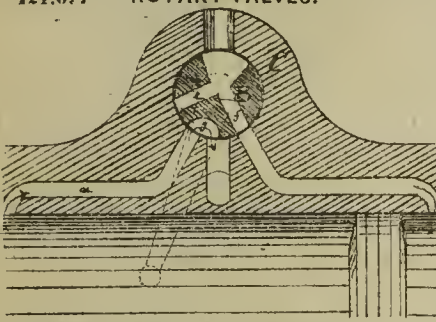
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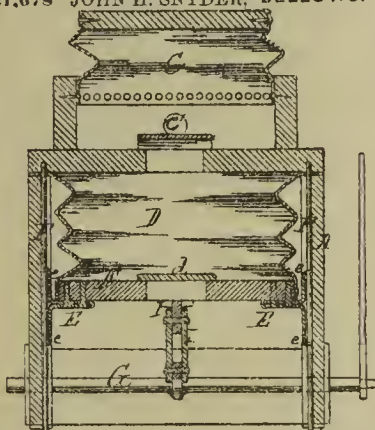
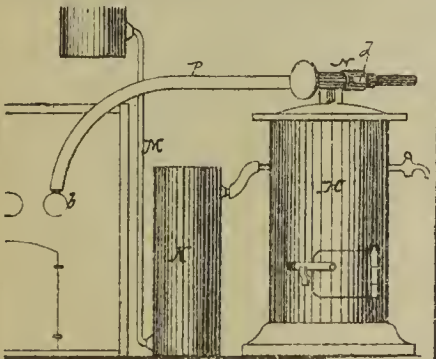
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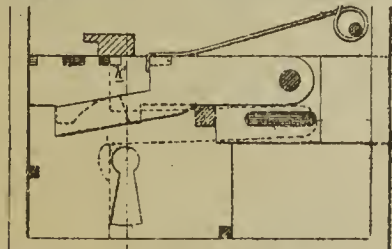
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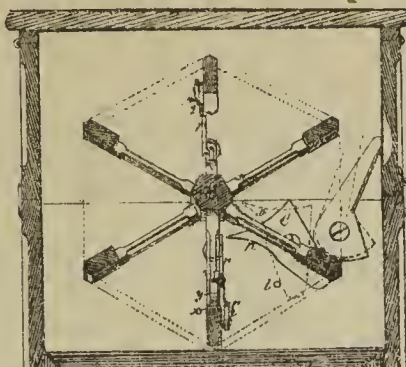
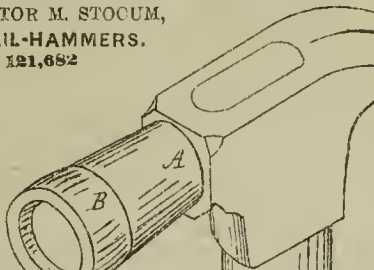
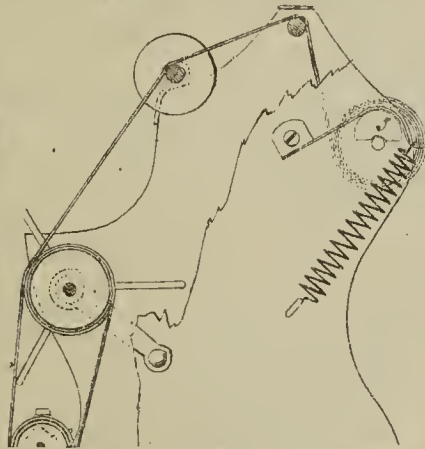
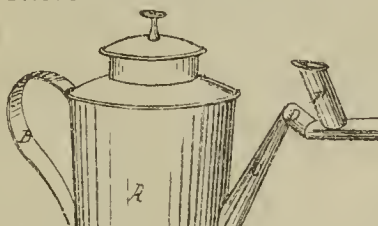
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121,679 THEODORE G. SPRINGER.
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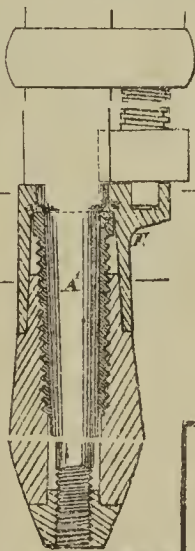
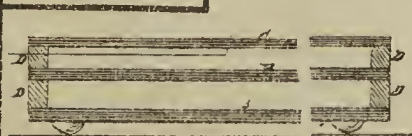
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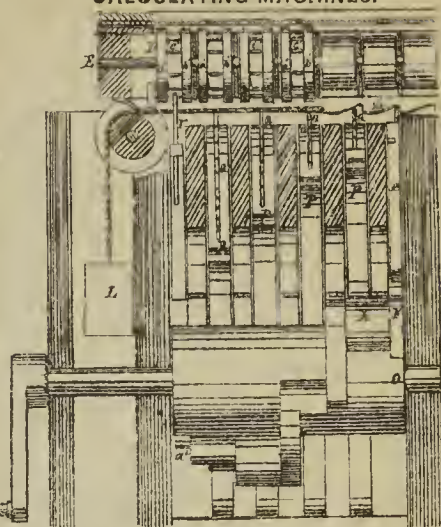
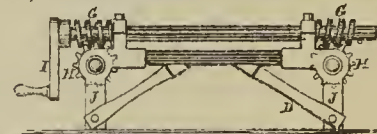
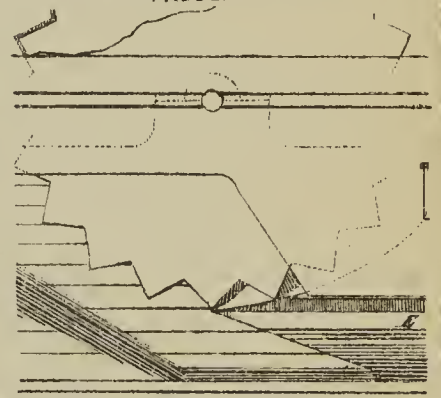
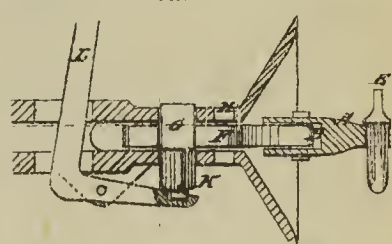
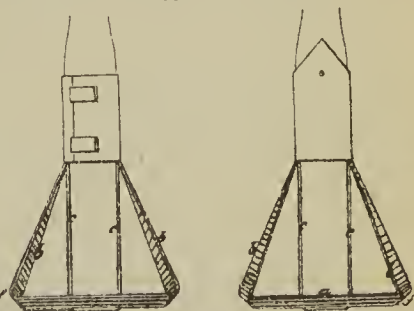
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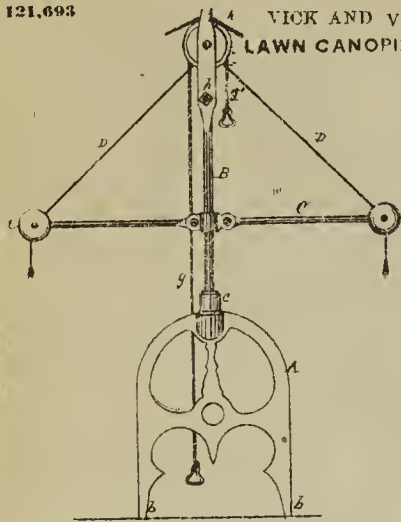
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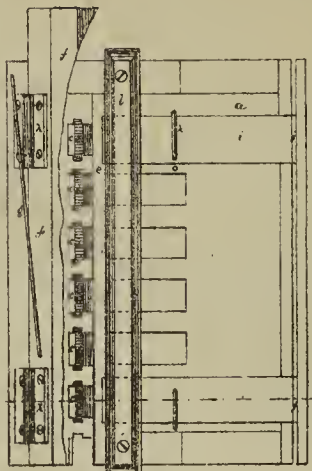
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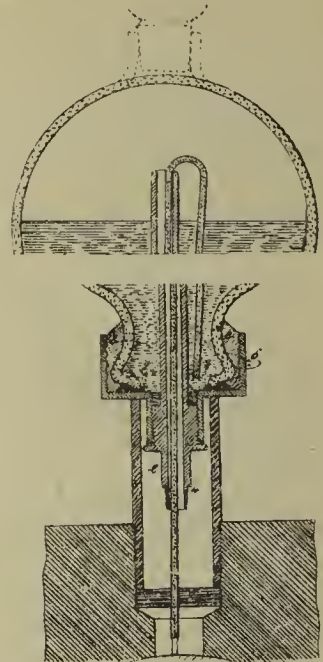
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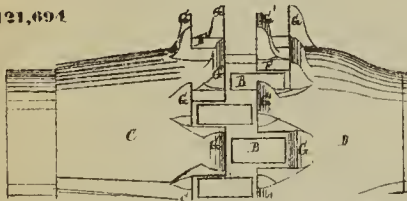
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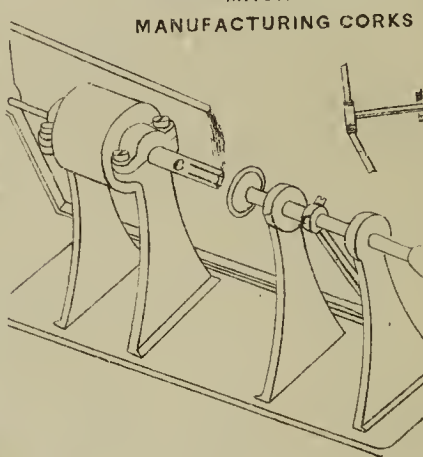
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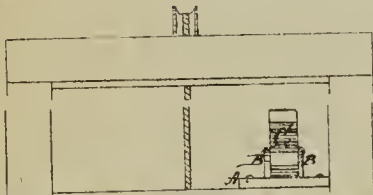
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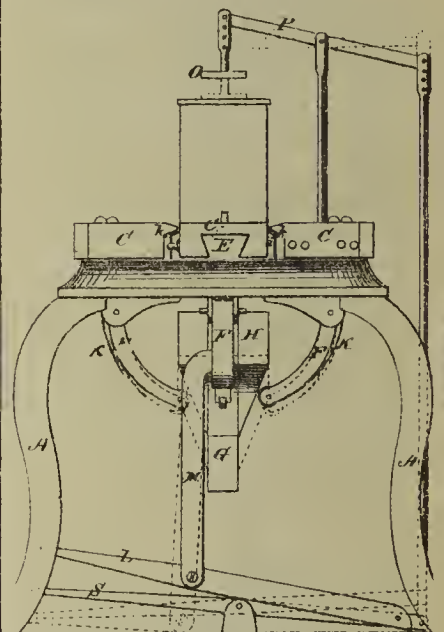
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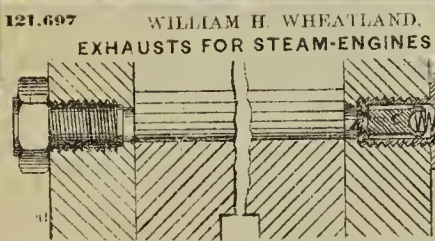
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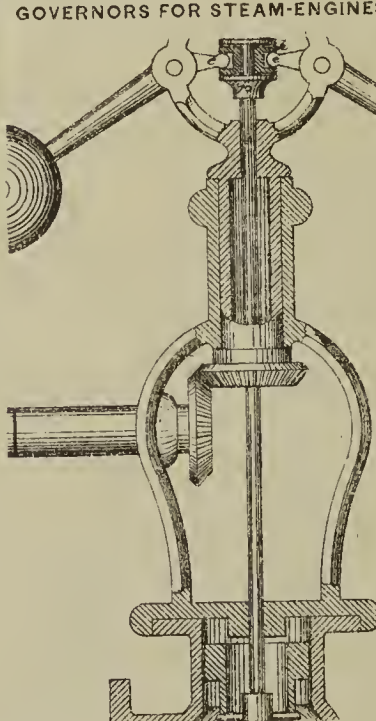
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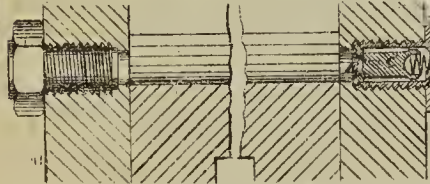
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CONDENSED-STEAMJUNIUS JUDSON,
GOVERNORS FOR STEAM-ENGINES.

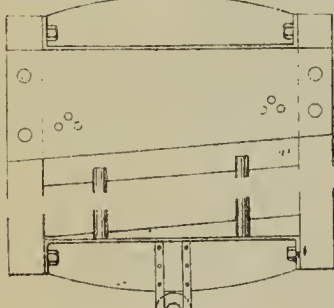
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WILLIAM H. WHEATLAND,
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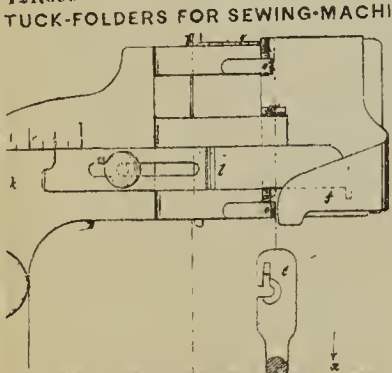
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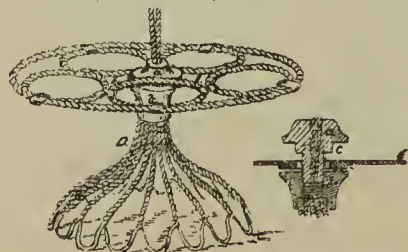
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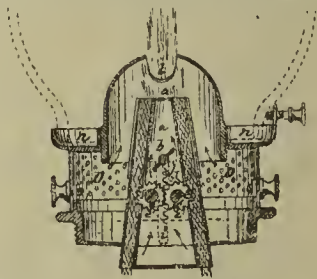
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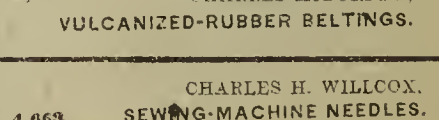
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BENJAMIN W. HEALEY
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CHARLES MCBURNEY,
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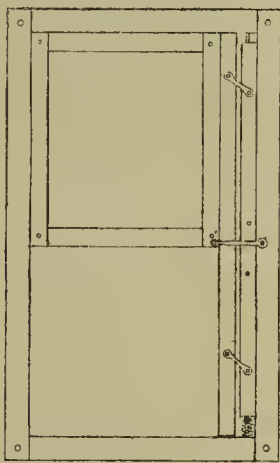
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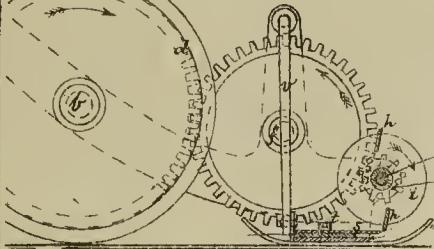


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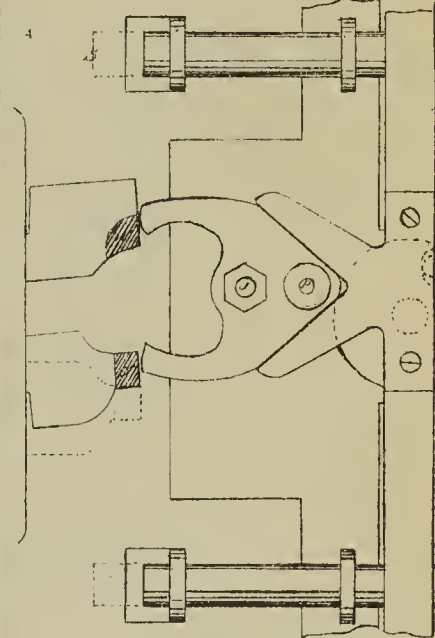
121,701 WILLIAM HAMMOND BROWN
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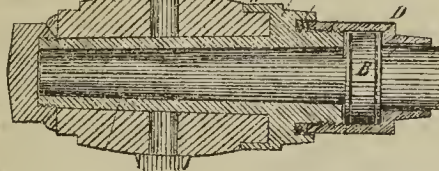
121,705 DEXTER H. CHAMBERLAIN,
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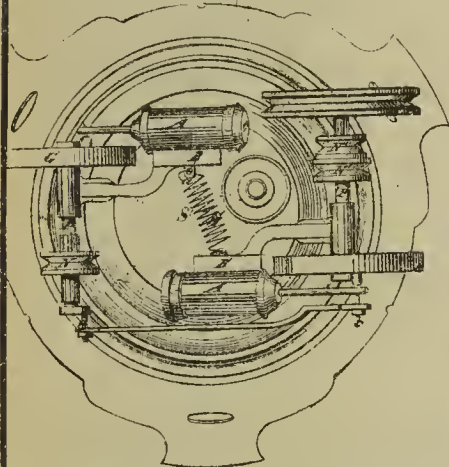
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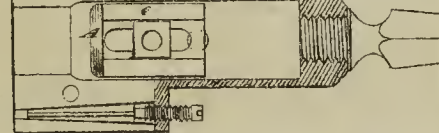
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121,706 CARRIAGE-WHEELS.



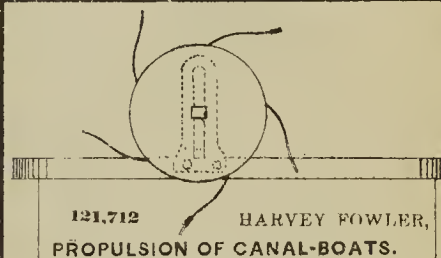
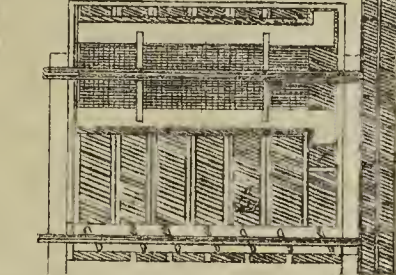
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WILLIAM A. CLARK,
121,707 HOLLOW AUGERS.



121,708 JOHN C. COOKSON,
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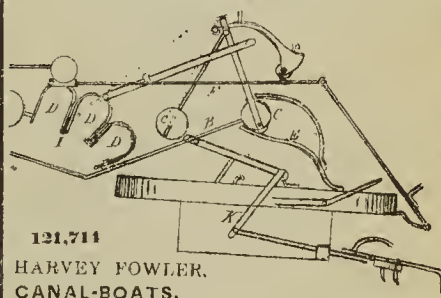
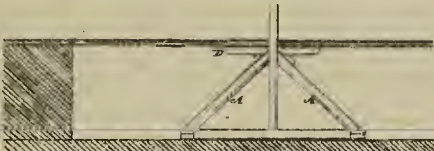
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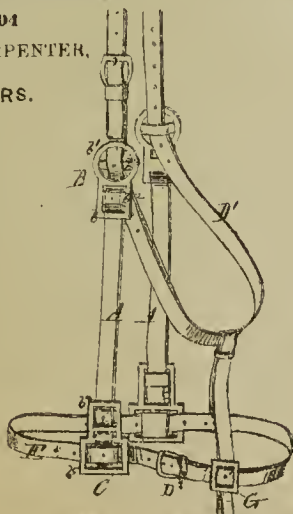


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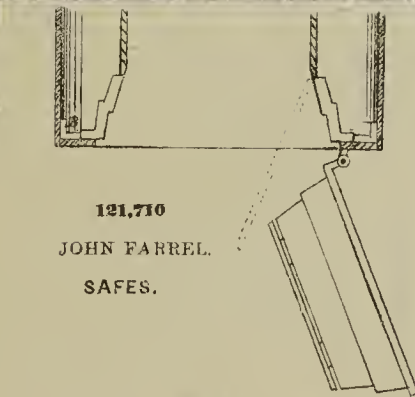
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121,704 JUNIUS CARPENTER,
HALTERS.

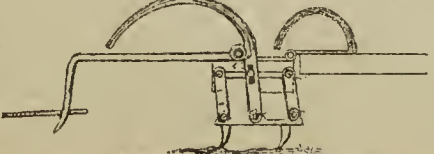


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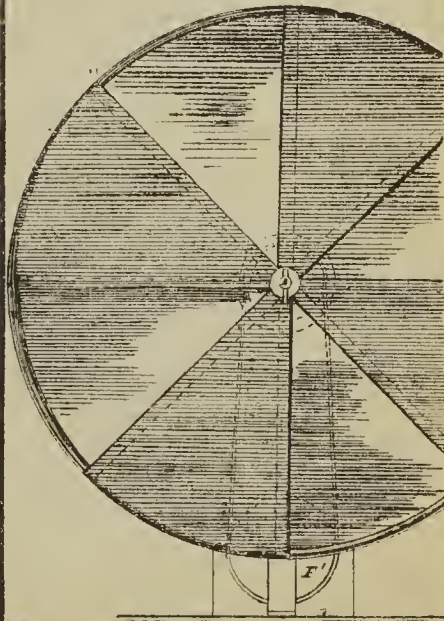
JOHN FARREL,
SAFES.

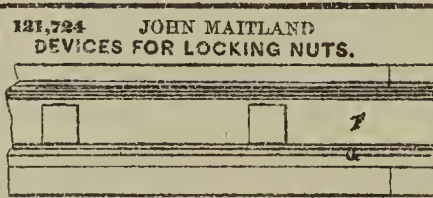
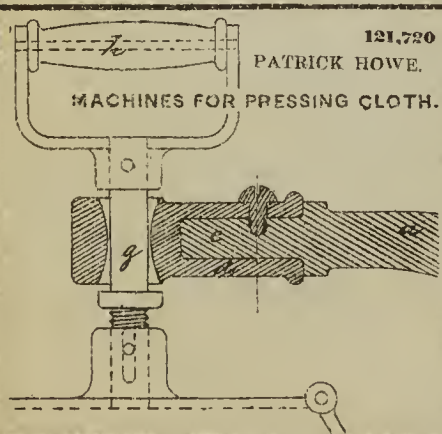
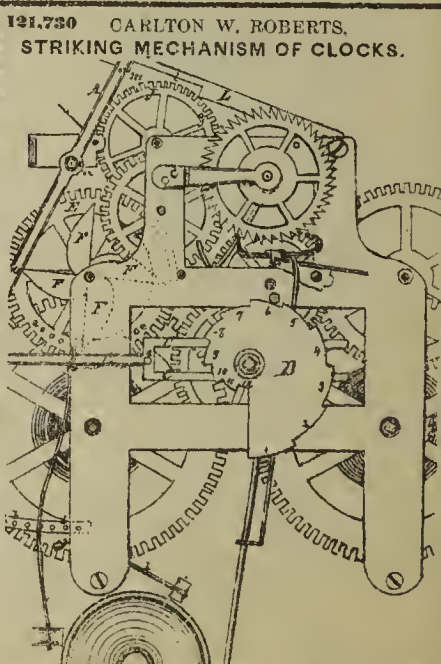
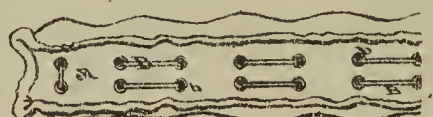
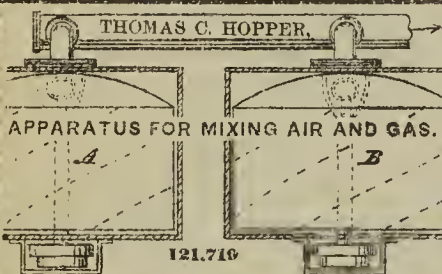
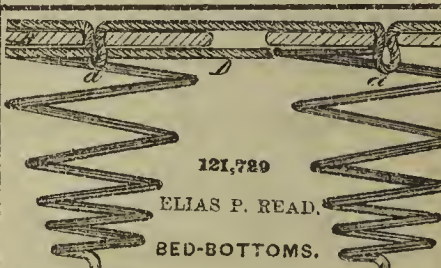
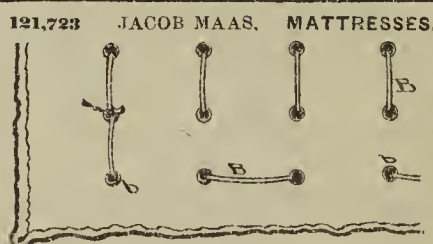
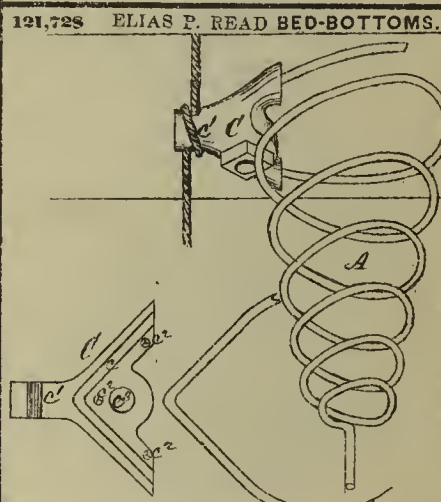
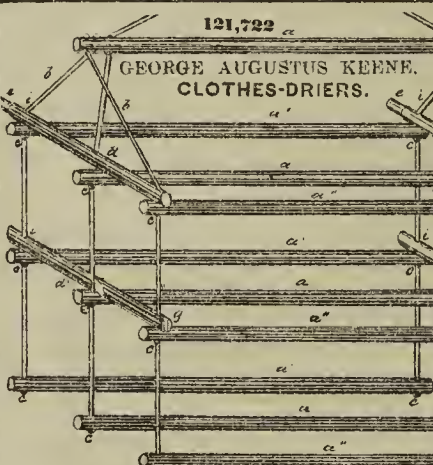
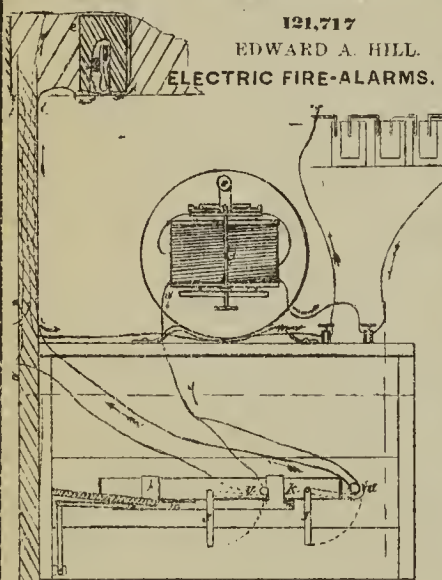
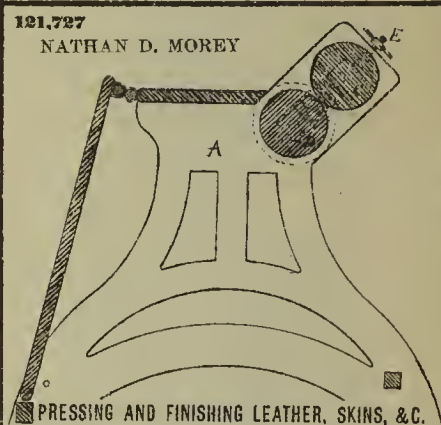
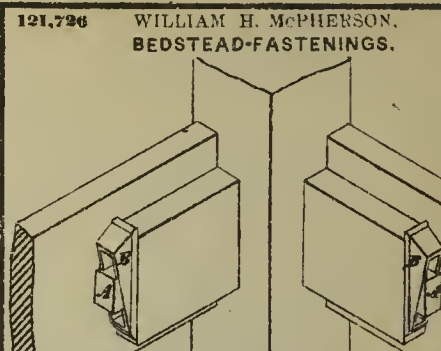
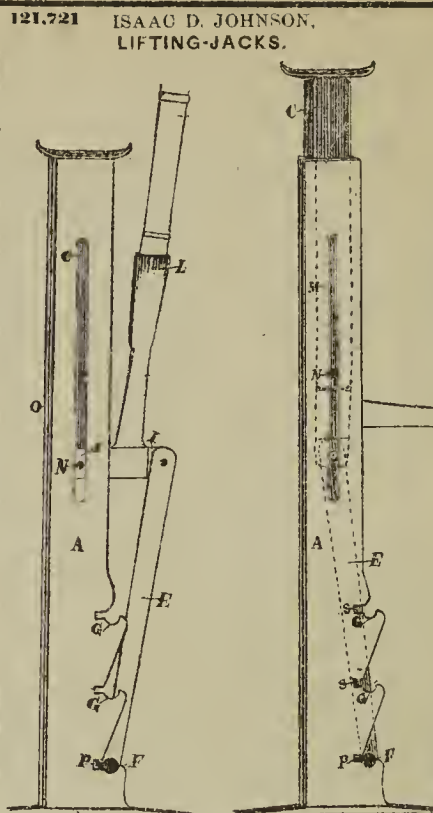
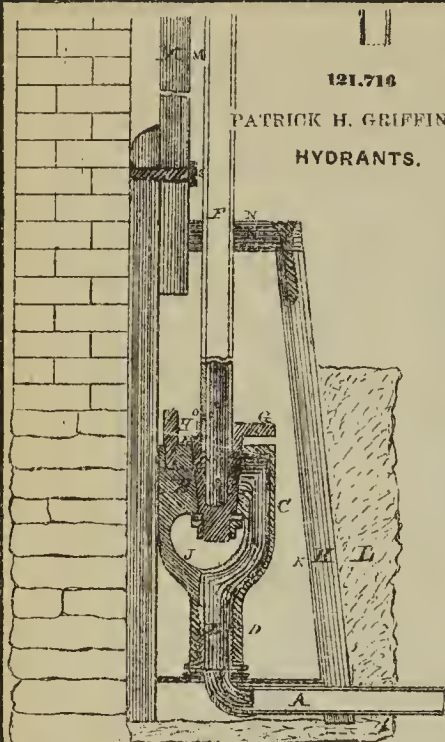


121,713 HARVEY FOWLER,
PROPULSION OF CANAL-BOATS.



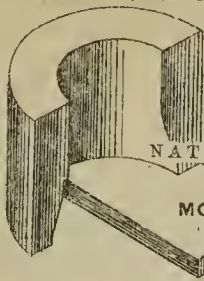
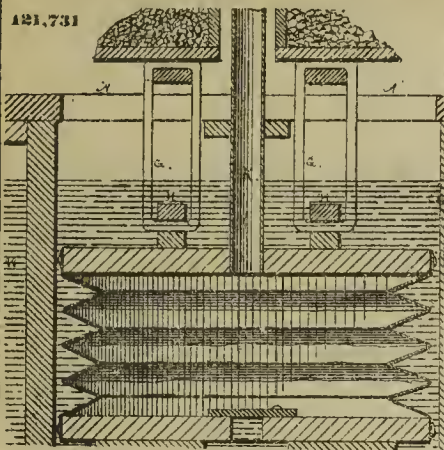
121,715 ALBERT R. GOULD
PHOTOGRAPHIC BACKGROUNDS.



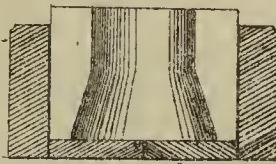


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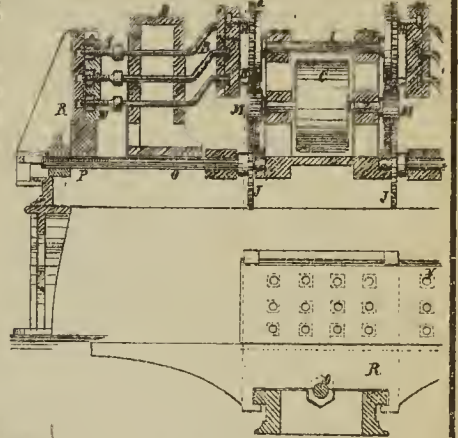
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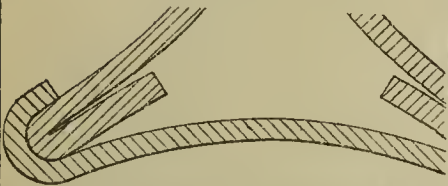
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NATHAN THOMPSON,
MOLDS FOR CASTING.

121,742

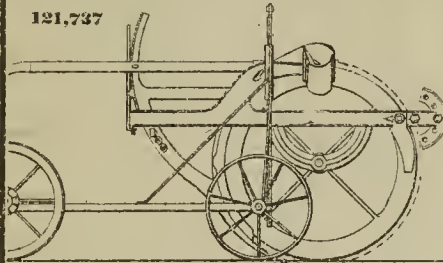
EDWARD ALDOM,
SPRING-PERCHES FOR BIRD-CAGES.121,743 ALLEN AND RITCHIE,
BOLT AND NUT-THREADING MACHINES.

121,732

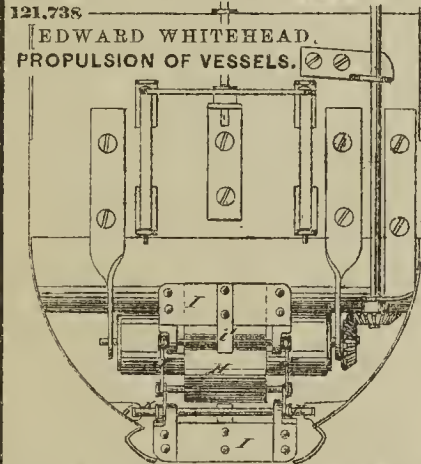
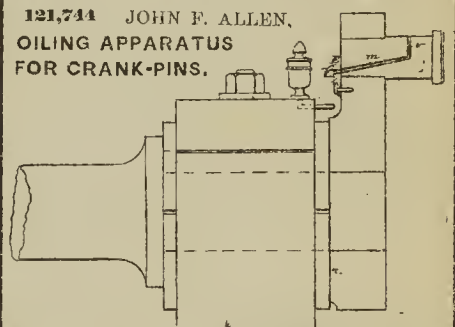
RUFUS S. SANBORN,
RAILWAY RAILS.

JOHN VALENTINE. DITCHING-MACHINE

121,737

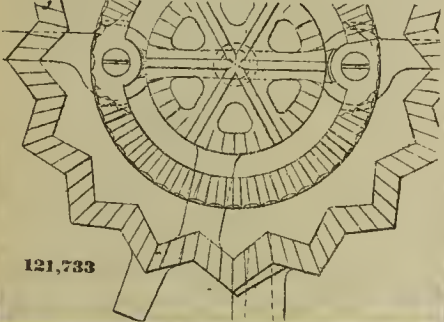


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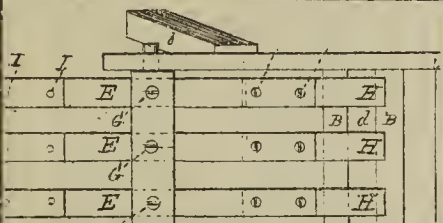
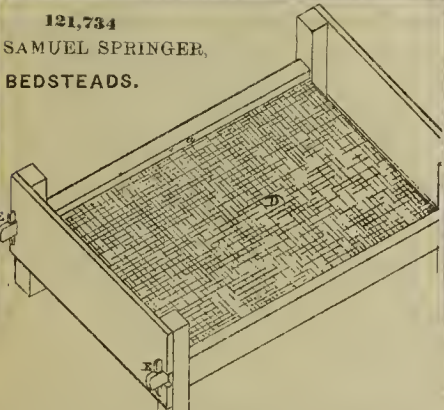
EDWARD WHITEHEAD,
PROPULSION OF VESSELS.121,744 JOHN F. ALLEN,
OILING APPARATUS
FOR CRANK-PINS.

WATSON SANFORD, STOVE-GRATE

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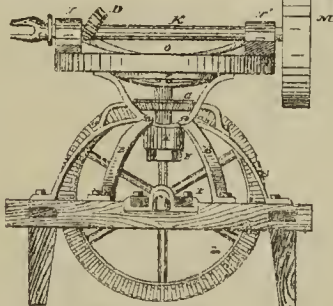
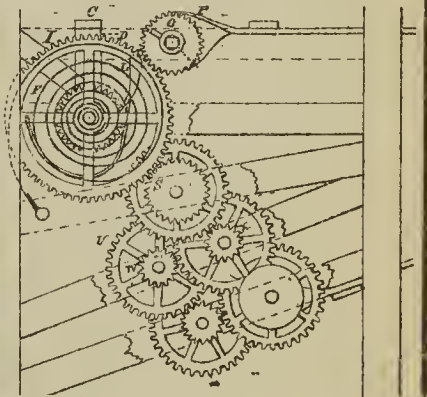
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SAMUEL SPRINGER,
BEDSTEADS.

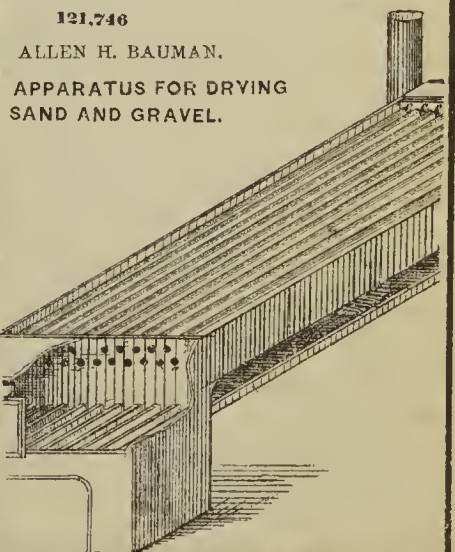
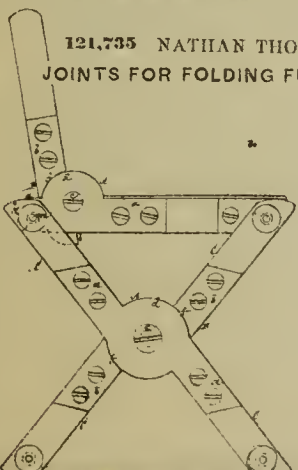
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ROBERT S. WILLIAMS,
THRASHING-MACHINEWISSLER AND GAMBER,
HORSE-POWERS.

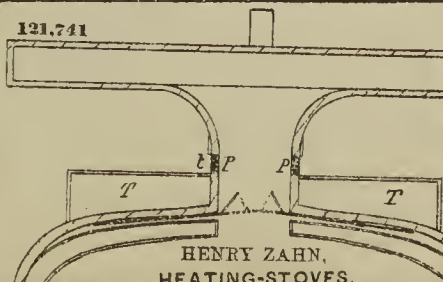
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121,745 HARVEY S. BARNES,
MOTIVE-POWERS FOR SEWING-MACHINES

121,746

ALLEN H. BAUMAN,
APPARATUS FOR DRYING
SAND AND GRAVEL.121,735 NATHAN THOMPSON,
JOINTS FOR FOLDING FURNITURE.

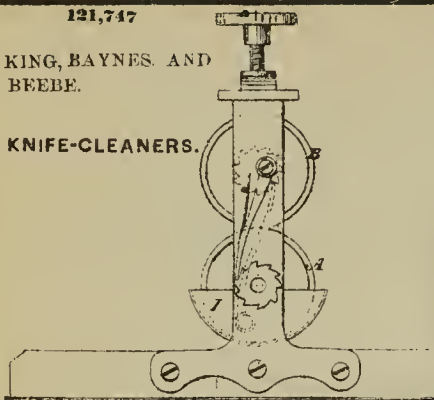
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HENRY ZAHN,
HEATING-STOVES.

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KING, BAYNES. AND
BEEBE.

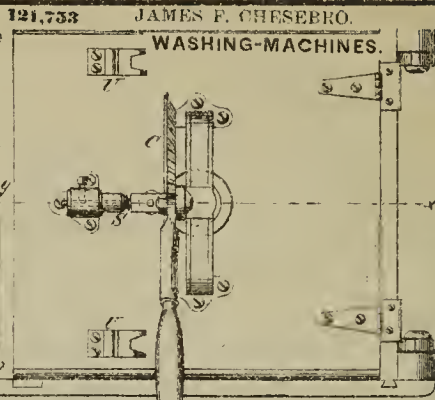
KNIFE-CLEANERS.



121,753

JAMES P. CHESEBRO.

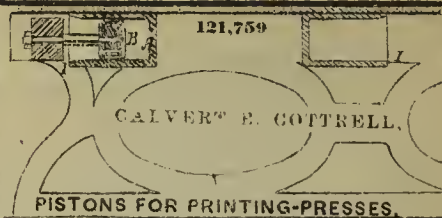
WASHING-MACHINES.



121,759

CALVERT E. COTTRELL.

PISTONS FOR PRINTING-PRESSES.



121,760

MICHAEL CRAVEN.

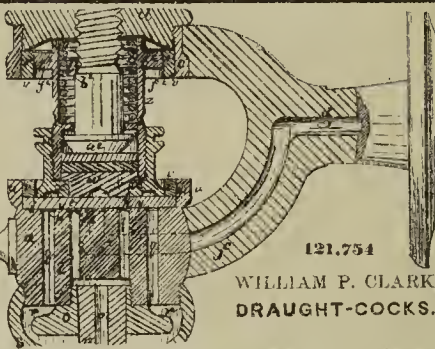
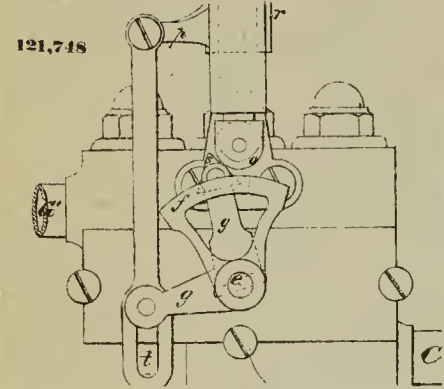
RESTS FOR CLOTH-SHEARING MACHINES.



JAMES H. BLESSING.

WARMING BUILDINGS WITH STEAM.

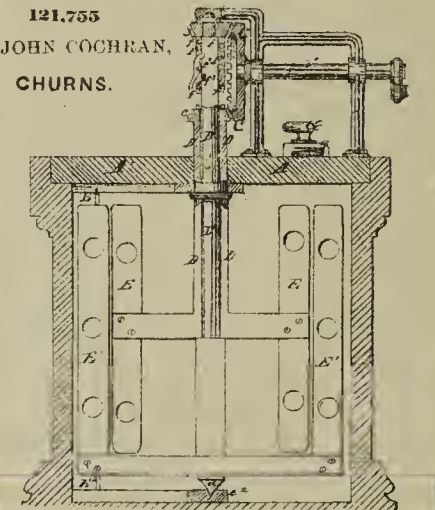
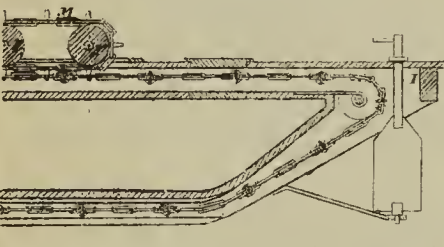
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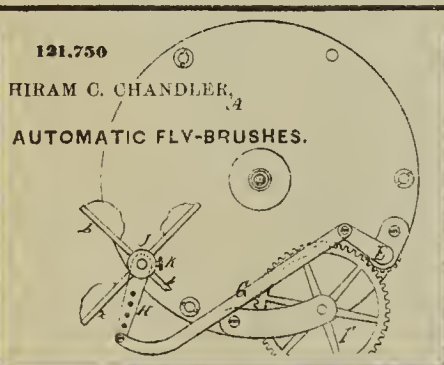
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WILLIAM P. CLARK.
DRAUGHT-COCKS.

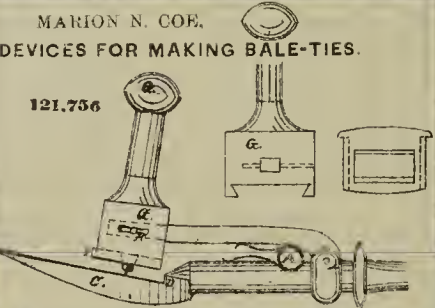
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JOHN COCHRAN,
CHURNS.121,749 THOMAS JAMES BURKE,
PROPULSION OF CANAL-BOATS.

121,750

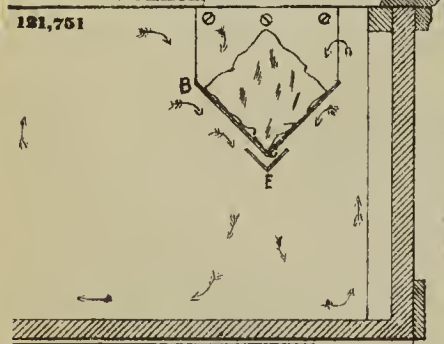
HIRAM C. CHANDLER,
AUTOMATIC FLY-BRUSHES.MARION N. COE.
DEVICES FOR MAKING BALE-TIES.

121,756



ANDREW J. CHASE, REFRIGERATOR

121,751



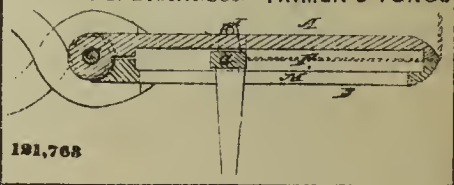
FREDERICK COELLER.

SHOE-FASTENINGS.

121,757

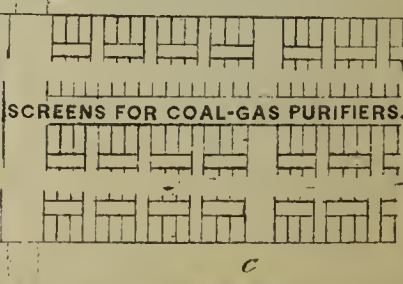


SAMUEL T. DICKINSON TINMEN'S-TONGS



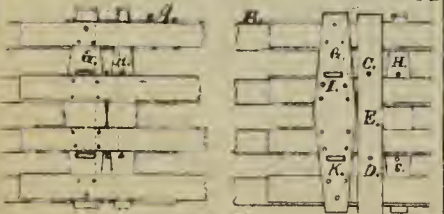
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121,764 EDWARD DUFFEE.

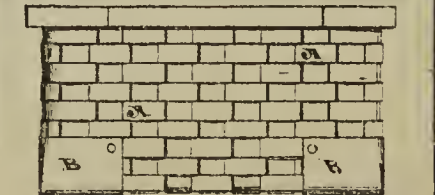


SCREENS FOR COAL-GAS PURIFIERS.

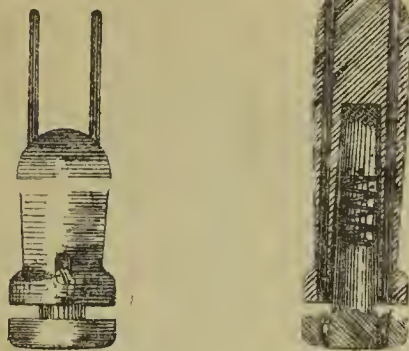
121,752 JOHN WESLEY CHERRY, FENCE



121,758 ELISHA B. COLE, BASKETS.

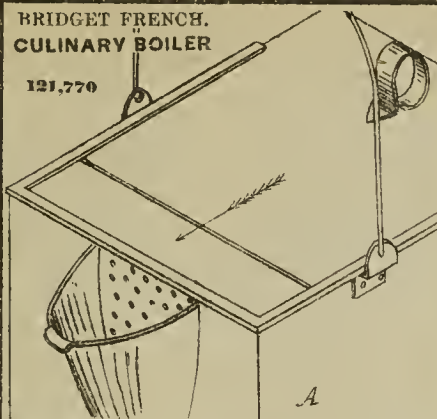


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DANIEL F. EATON.
STAMP-CANCELERS.



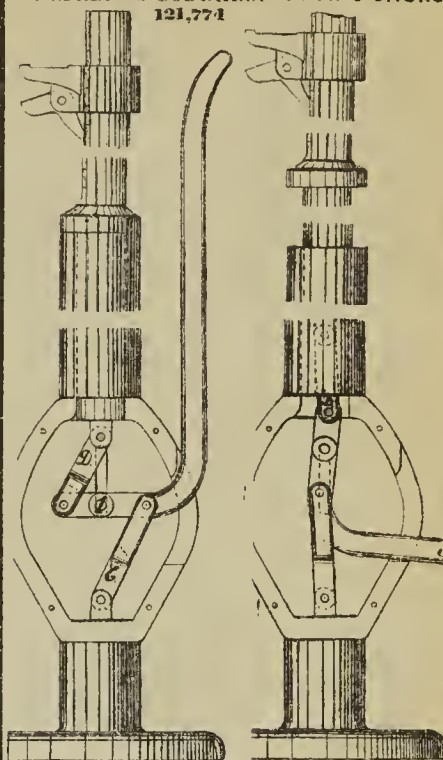
BRIDGET FRENCH.
CULINARY BOILER

121,770



ALFRED E. GODDARD. LIFTING-JACKS.

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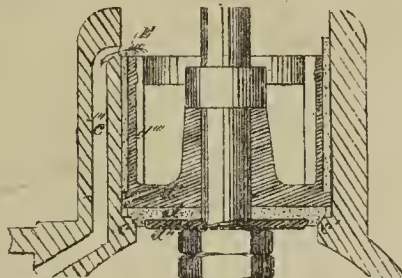


EDWARD F. EDGEComb
TOOL-HOLDERS FOR GRINDERS.

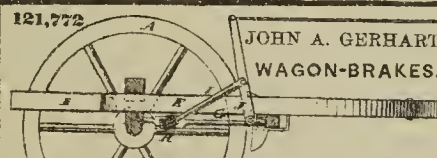
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121,771 JACOB FRICKER. HYDRANTS.

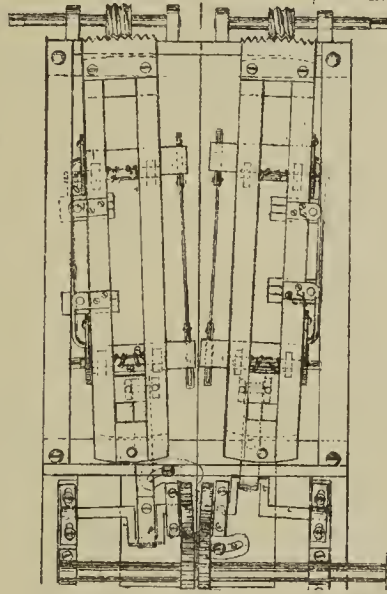


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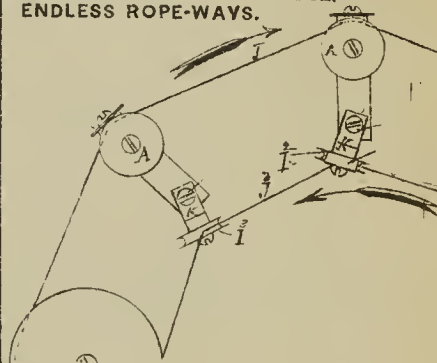


JOHN A. GERHART,
WAGON-BRAKES.

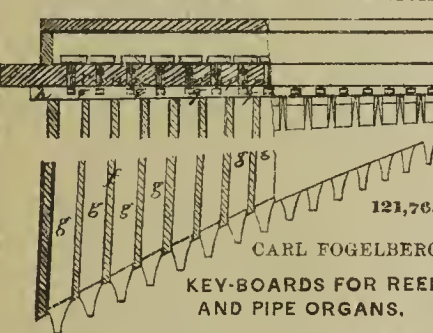
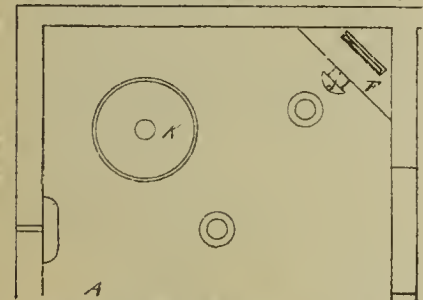
121,773 HENRY S. GILLETTE.
MACHINES FOR SAWING STONE.



121,776 ANDREW S. HALLIDIE.
ENDLESS ROPE-WAYS.



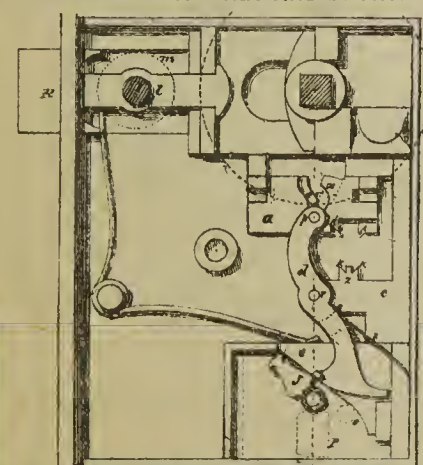
121,767 WILLIAM EVERS.
BAGATELLE GAMES AND APPARATUS.



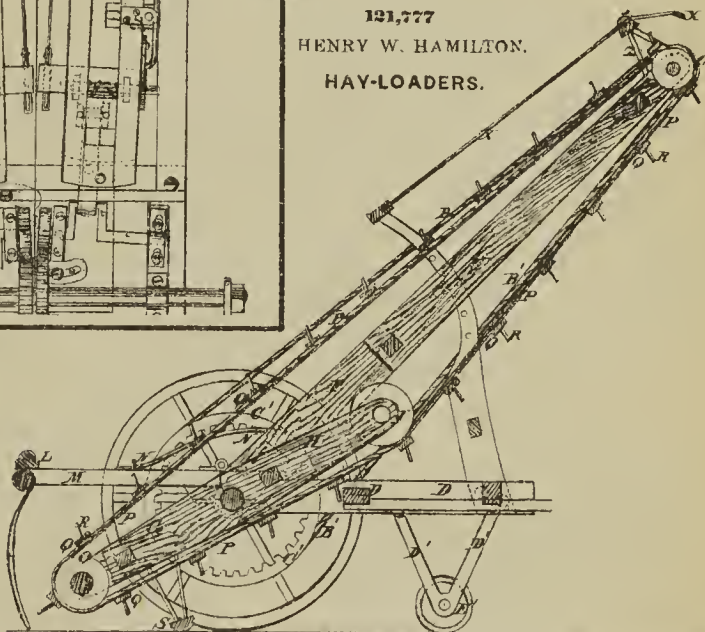
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CARL FOGELBERG.
KEY-BOARDS FOR REED
AND PIPE ORGANS.

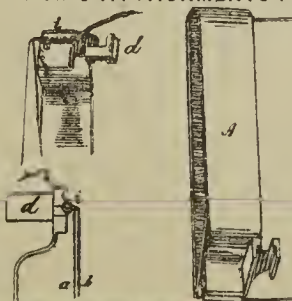
121,769 VITRUVIUS FRAZEE.
COMBINED LATCHES AND LOCKS.



121,777
HENRY W. HAMILTON.
HAY-LOADERS.

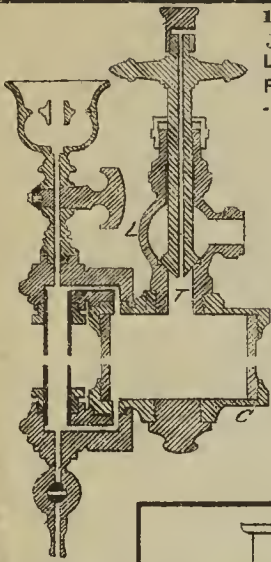


121,775 HARRY C. GOODRICH,
CORDING ATTACHMENTS FOR SEWING-
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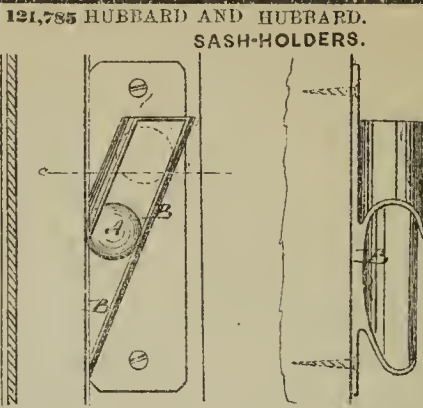


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EMMONS HAMLIN,
KEY-BOARD MUSICAL
INSTRUMENTS.



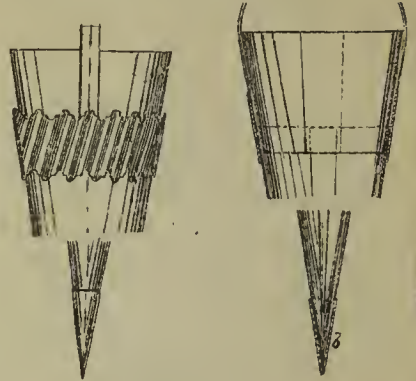


121,779
JAMES HARPER,
LUBRICATORS
FOR STEAM
-ENGINES.

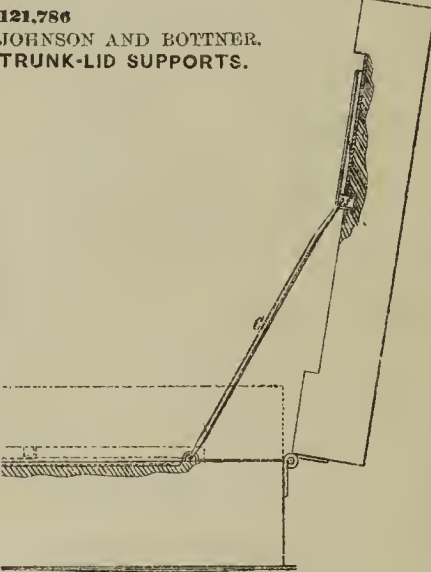
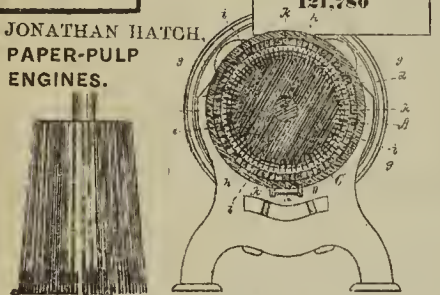


121,785 HUBBARD AND HUBBARD.
SASH-HOLDERS.

121,791 WILLIAM LOHSE,
TRANSPARENT CORNUCOPIAS.

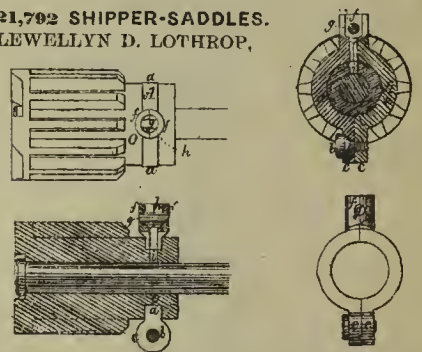


JONATHAN HATCH,
PAPER-PULP
ENGINES.

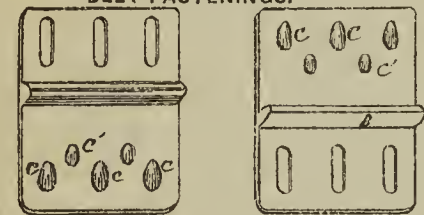


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JOHNSON AND BOTNER.
TRUNK-LID SUPPORTS.

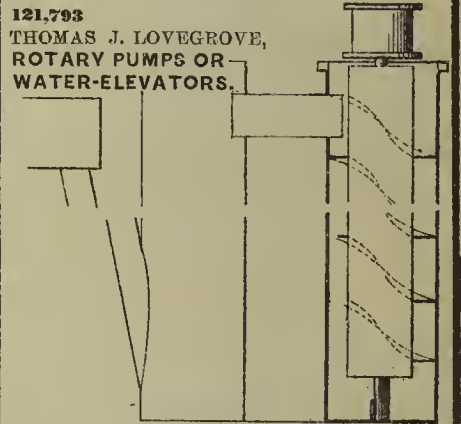
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LLEWELLYN D. LOTHROP,



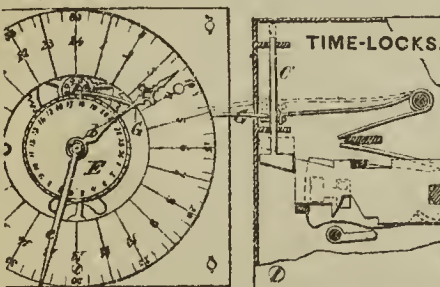
121,781 JOHN W. HICKS,
BELT-FASTENINGS.



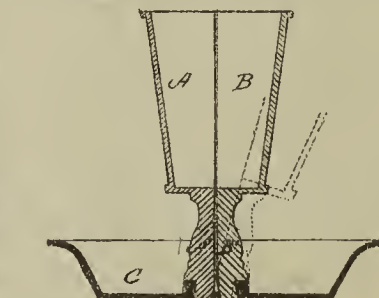
121,793
THOMAS J. LOVEGROVE,
ROTARY PUMPS OR
WATER-ELEVATORS.



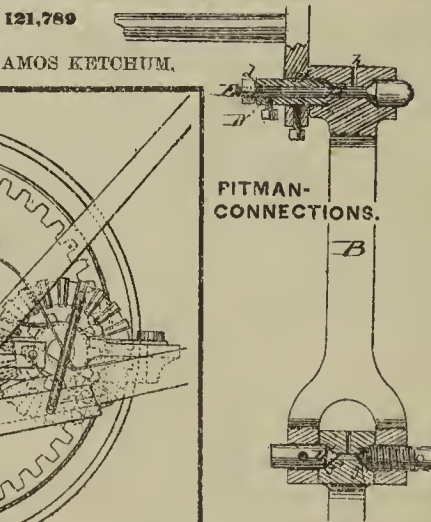
121,782 STEPHEN WILLIAM HOLLEN.



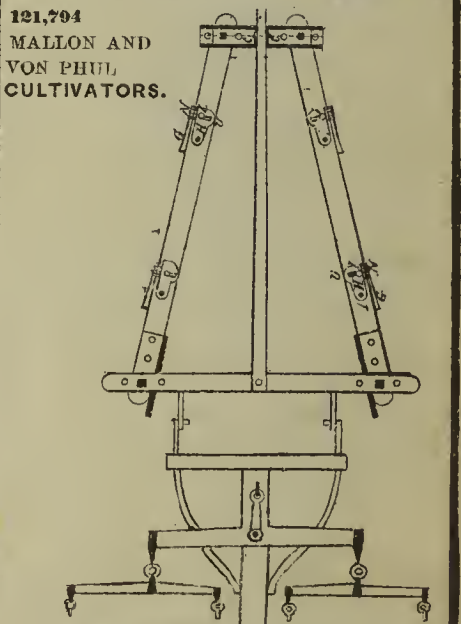
121,788 ALBERT D. JUDD,
MATCH-BOXES.



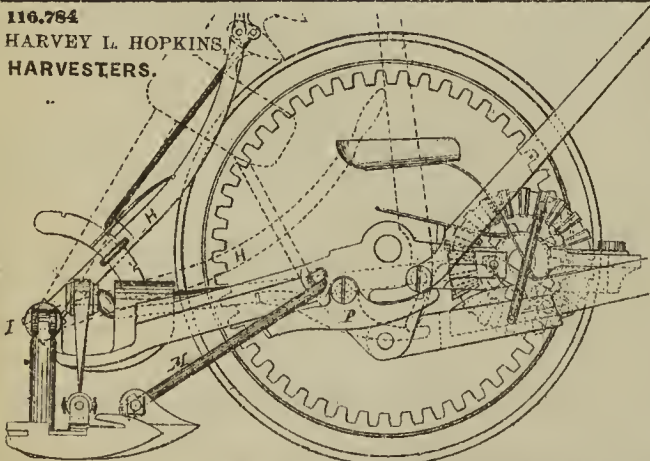
121,789
AMOS KETCHUM.



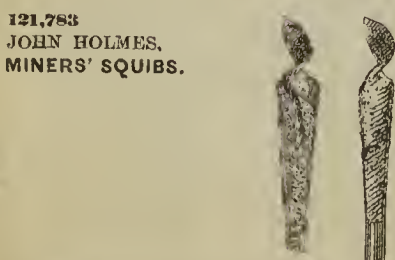
121,794
MALLON AND
VON PHIL,
CULTIVATORS.



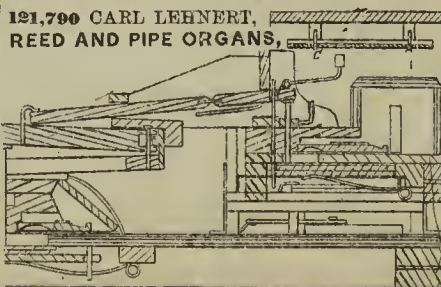
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HARVEY L. HOPKINS,
HARVESTERS.



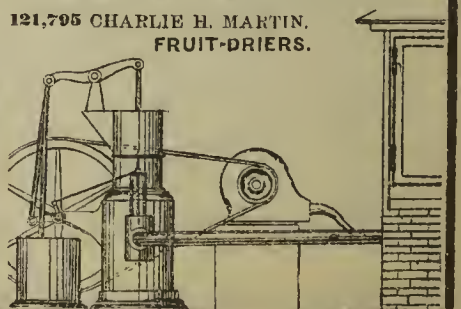
121,783
JOHN HOLMES,
MINERS' SQUIBS.



121,790 CARL LEHNERT,
REED AND PIPE ORGANS,



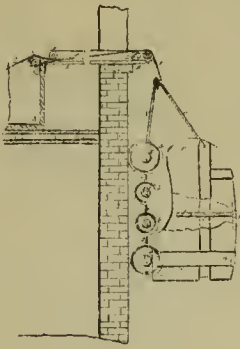
121,795 CHARLIE H. MARTIN,
FRUIT-DRIERS.



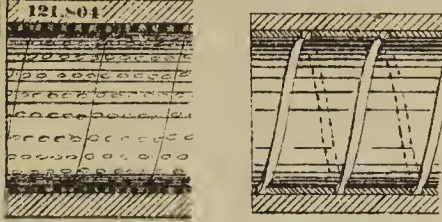
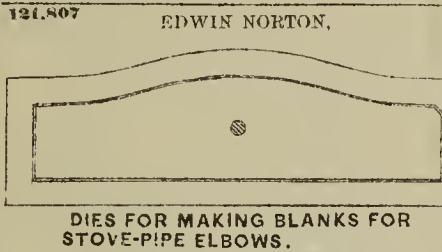
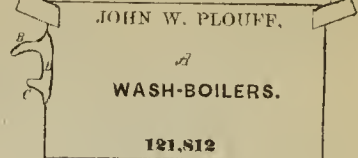
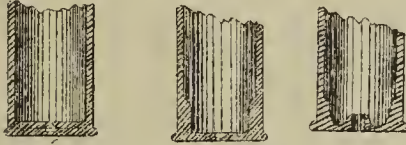
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ILLUSTRATIONS OF PATENTS

121,817.

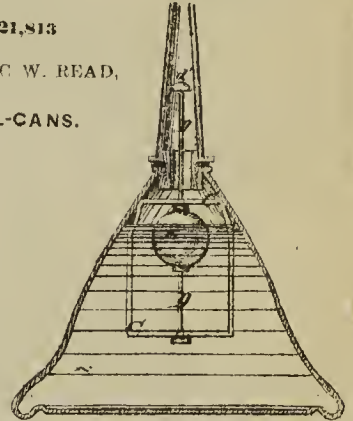
121,796 GEORGE D. M'GULLEN,
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ELIZA D. MURFEY JOURNAL-BEARINGS.

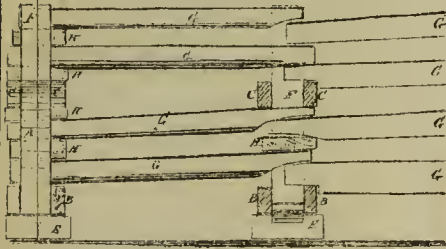
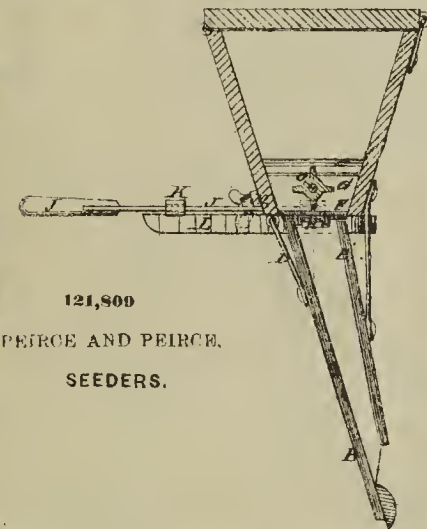
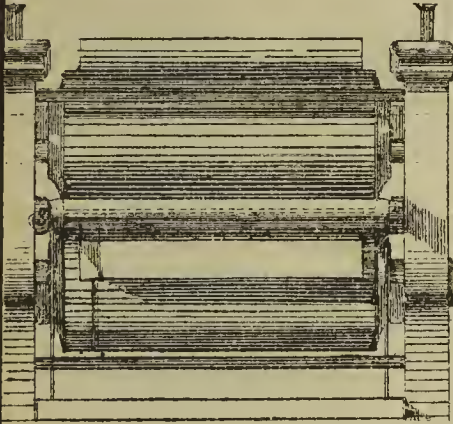
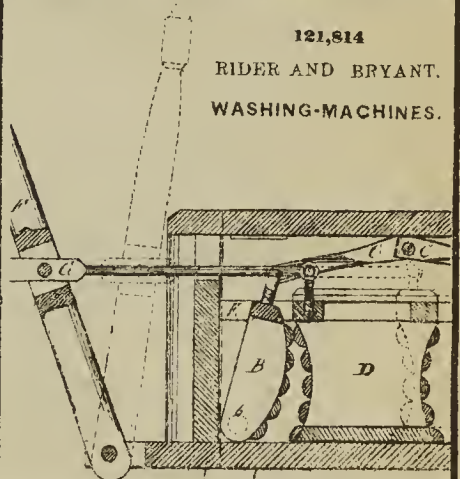
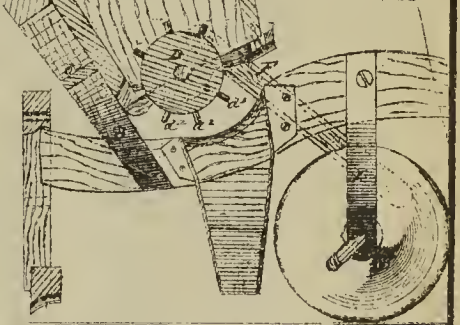
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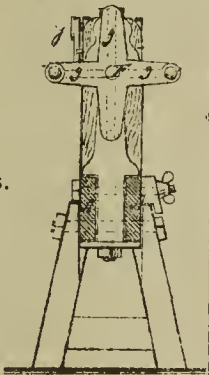
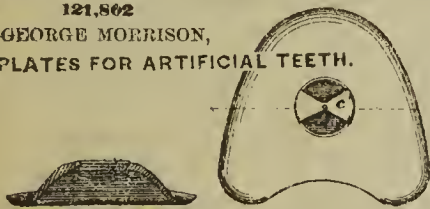
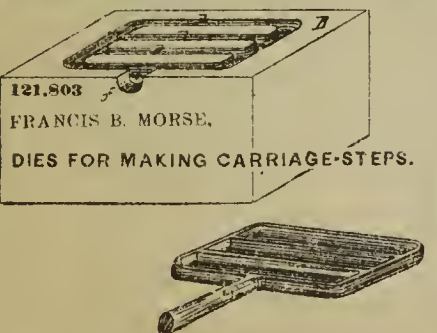
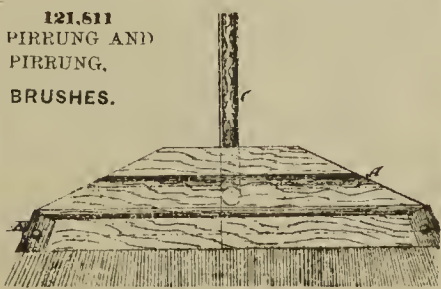
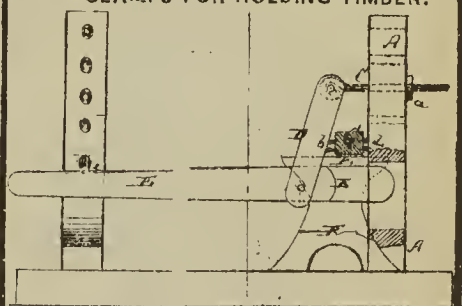
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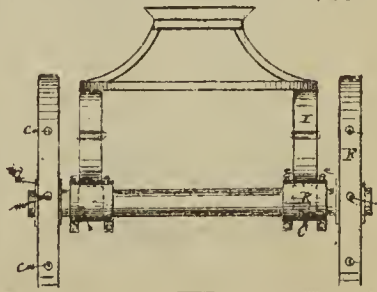
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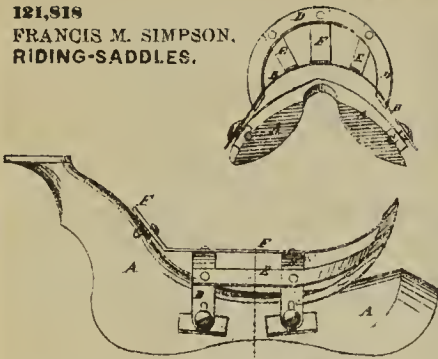
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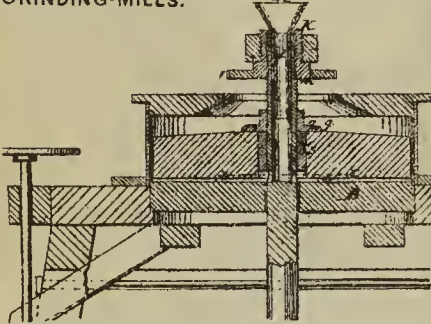
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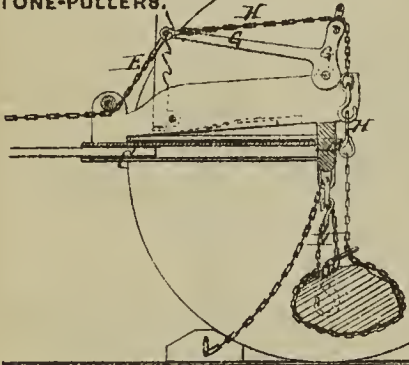
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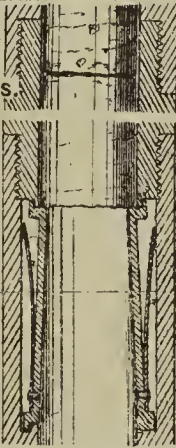
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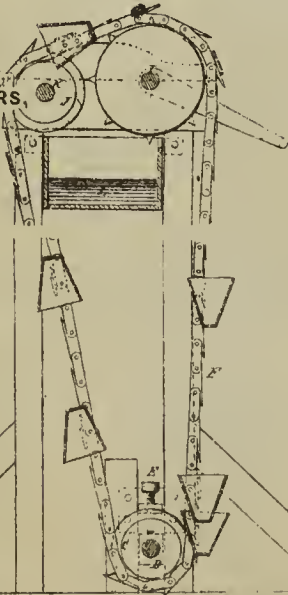
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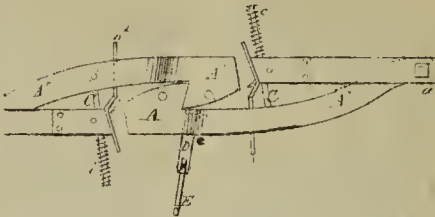
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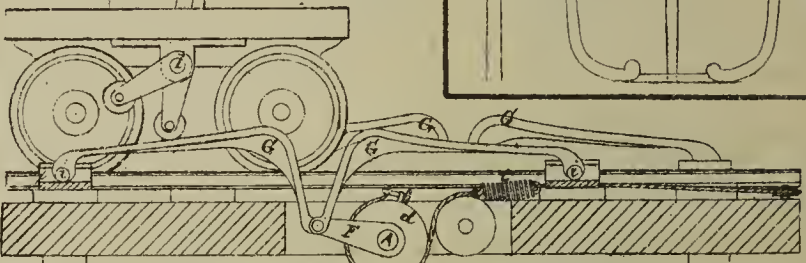
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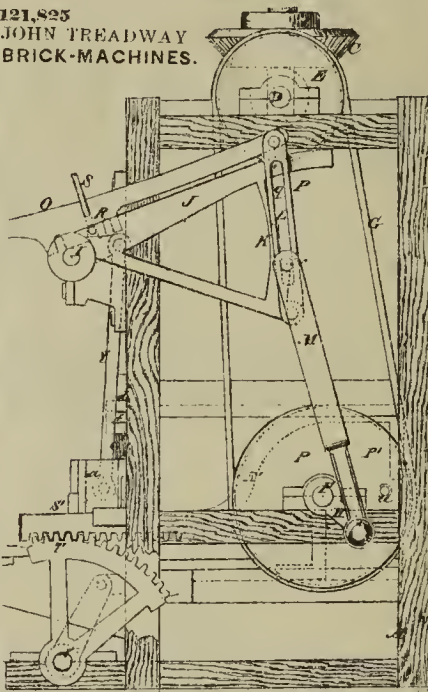
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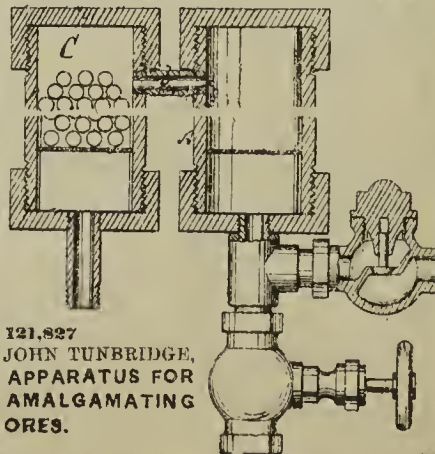
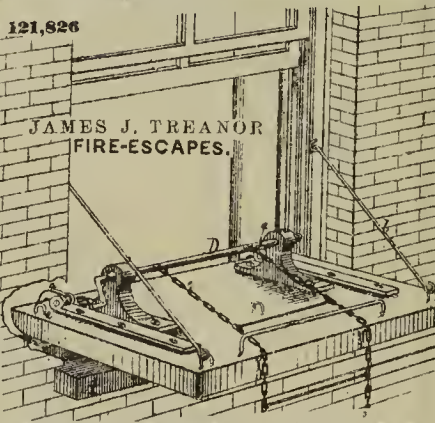


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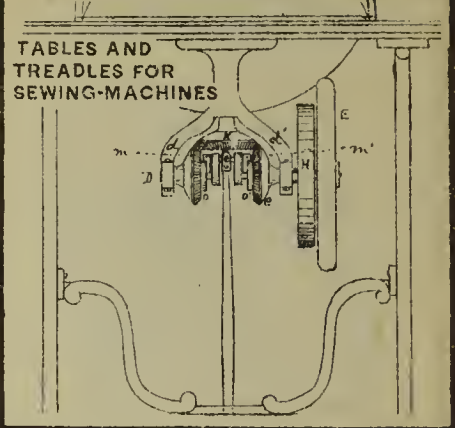
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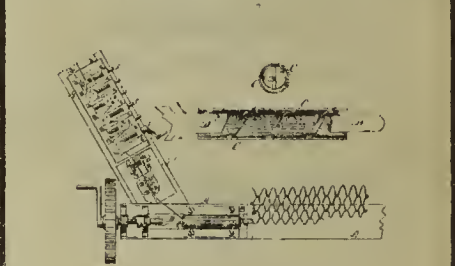
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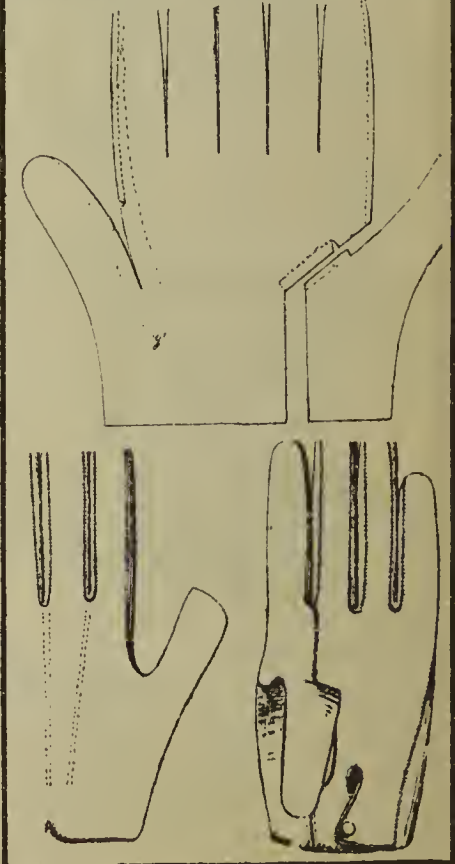
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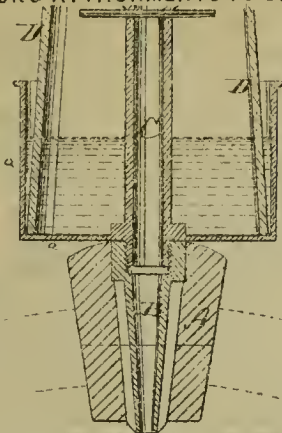


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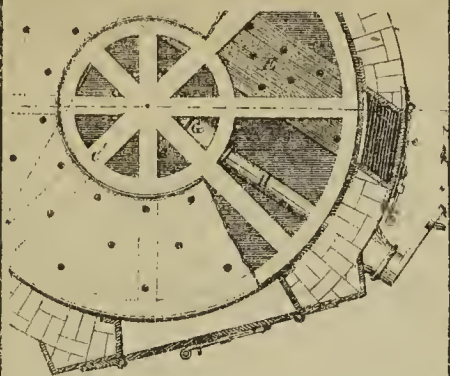
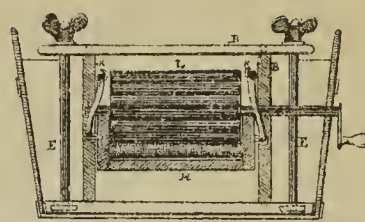
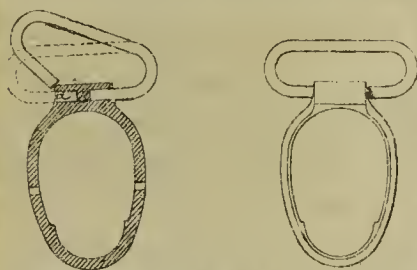
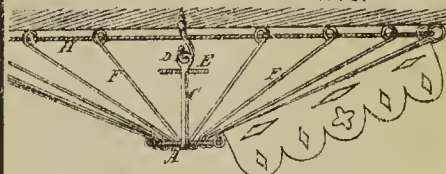
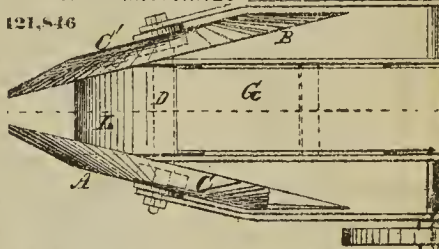


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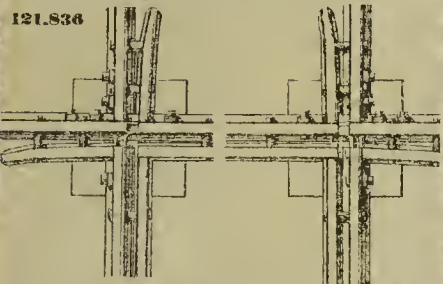
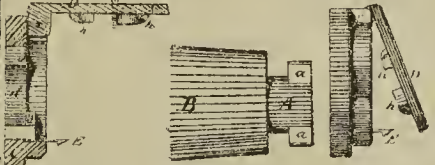
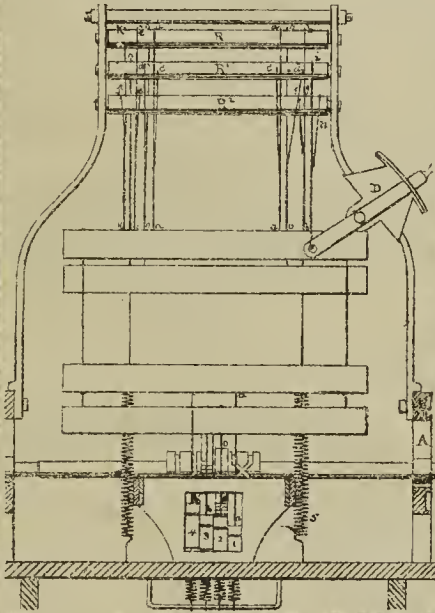
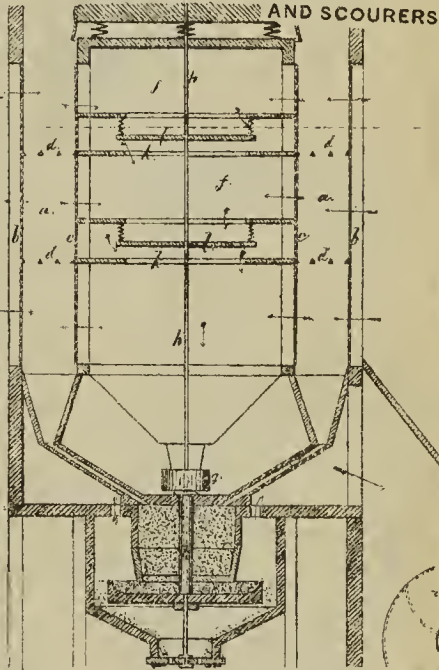
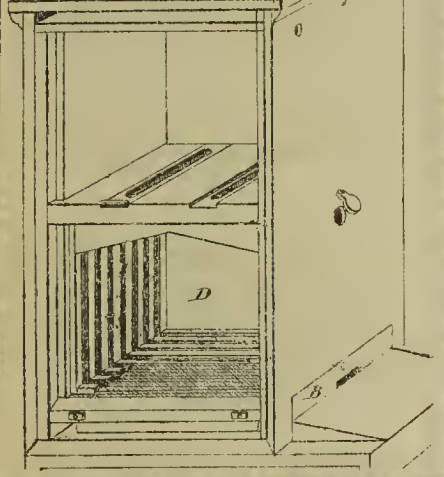
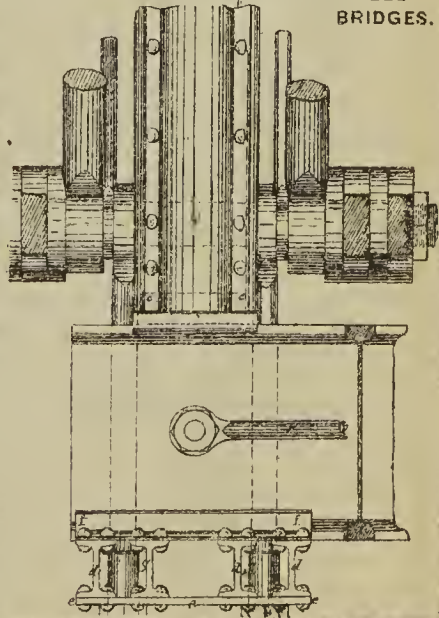
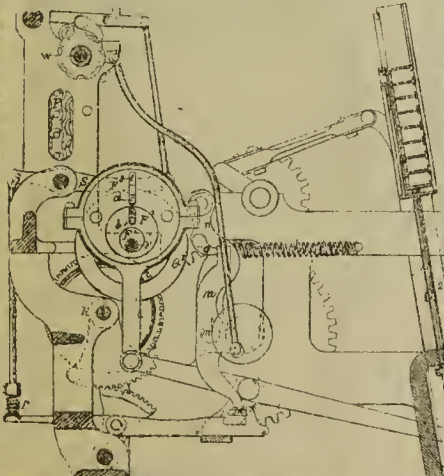
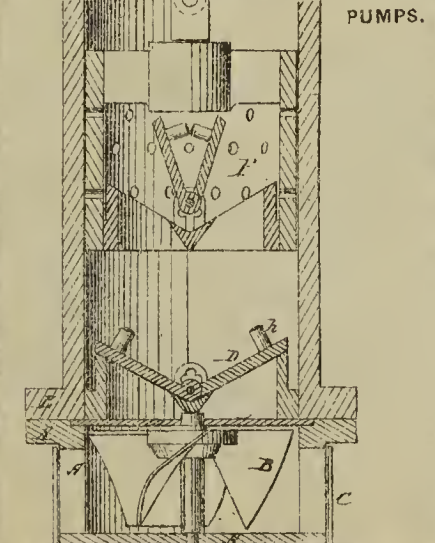


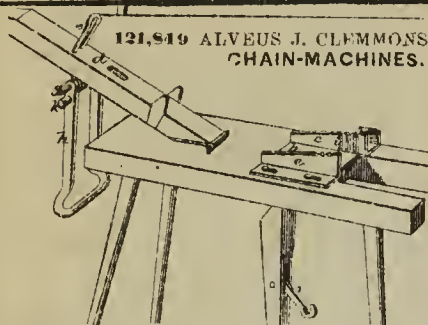
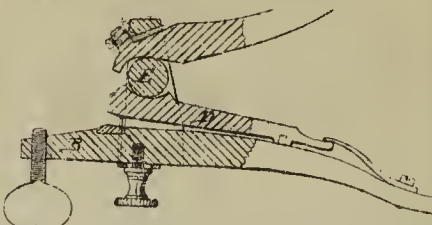
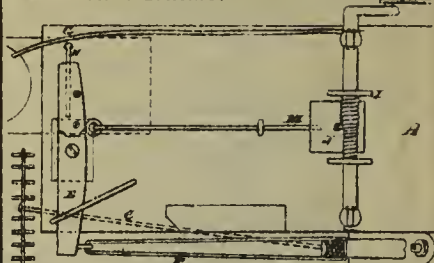
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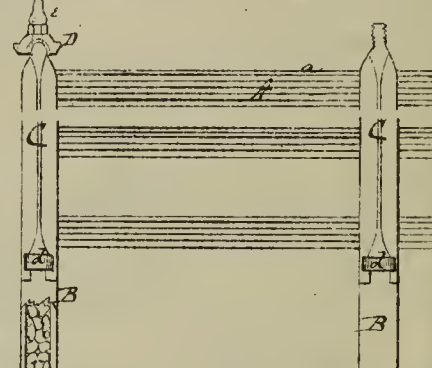
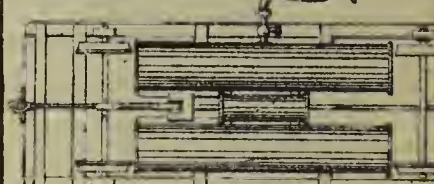
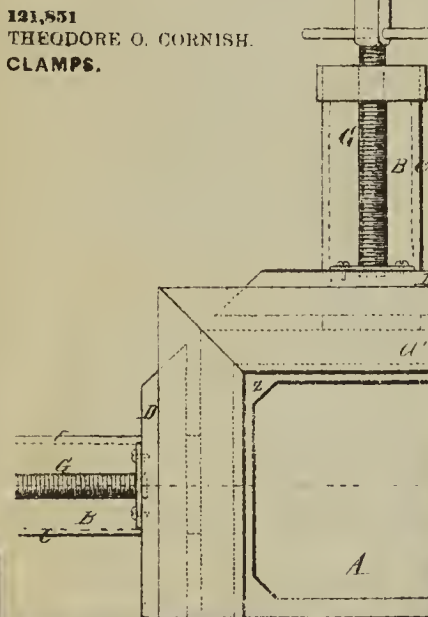
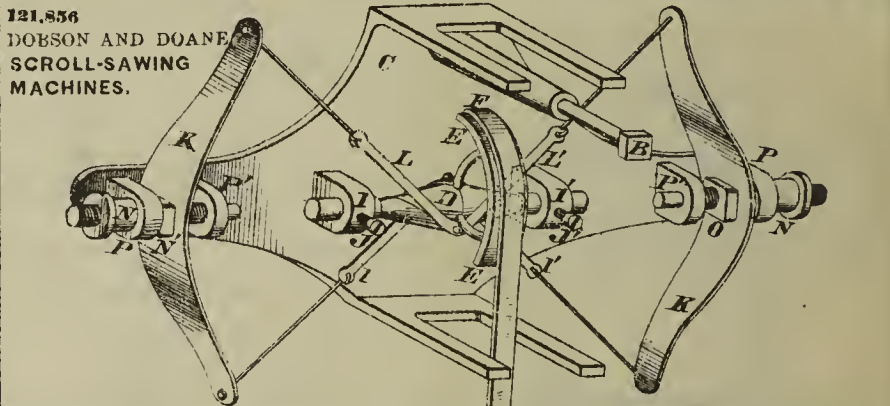
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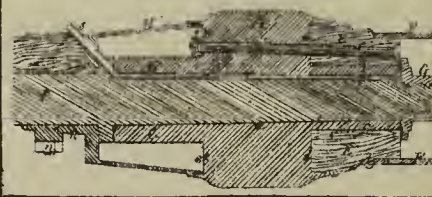
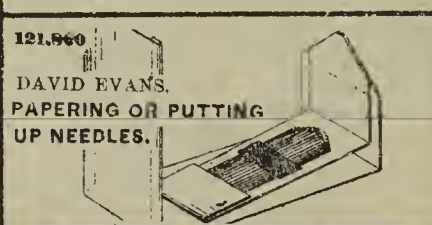
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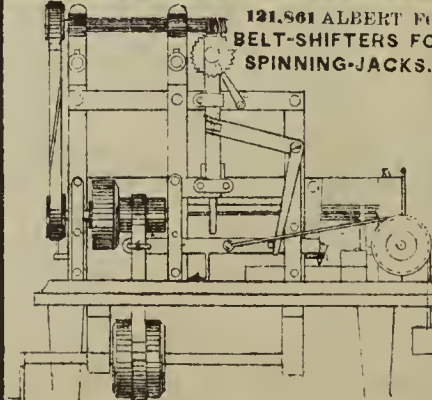
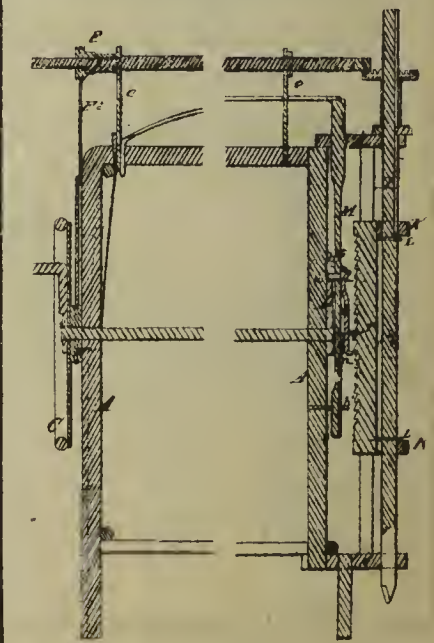
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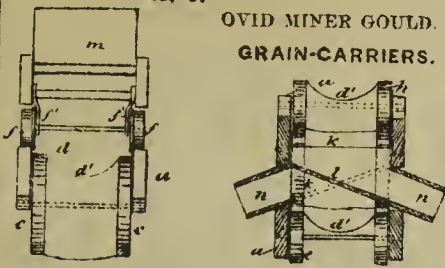
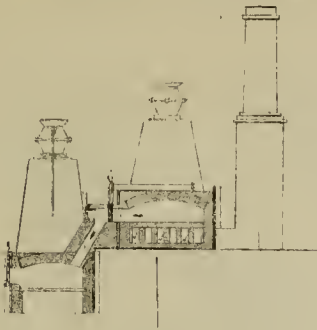
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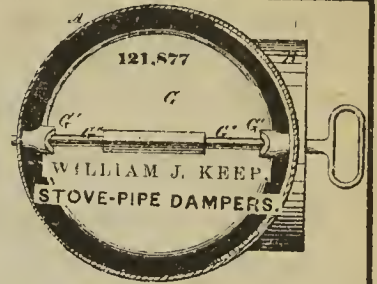
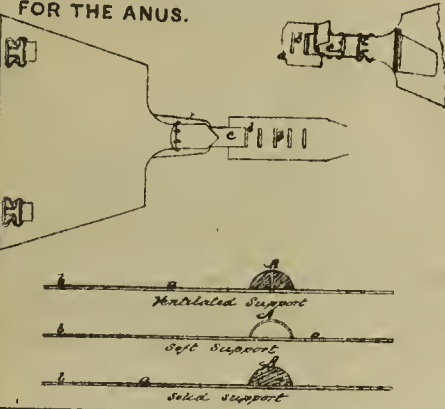
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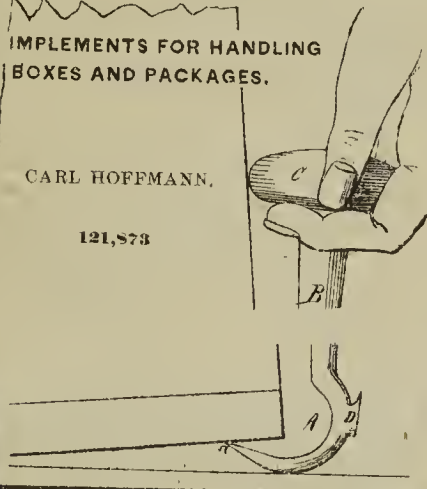
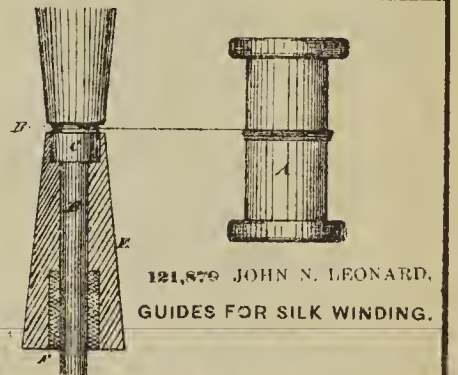
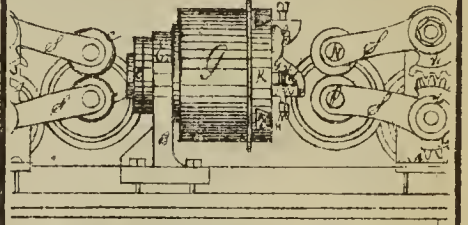
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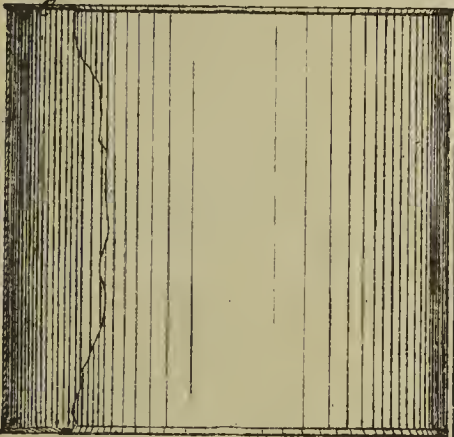
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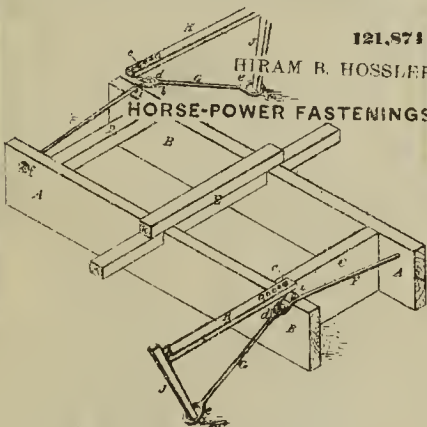
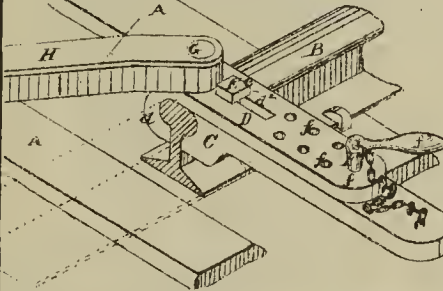
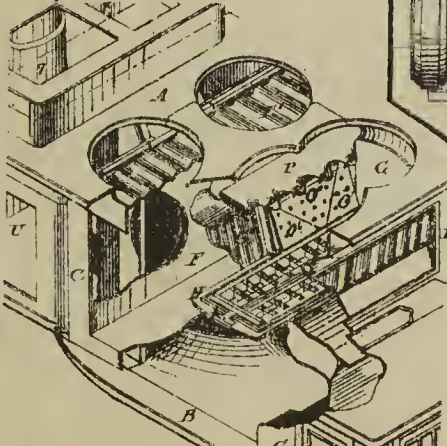
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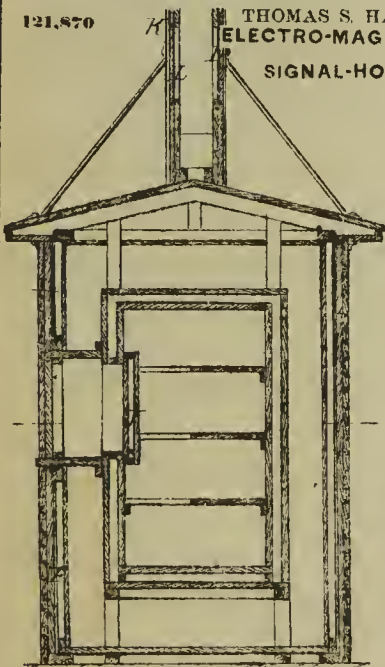
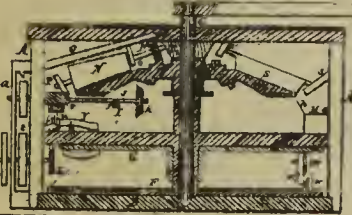
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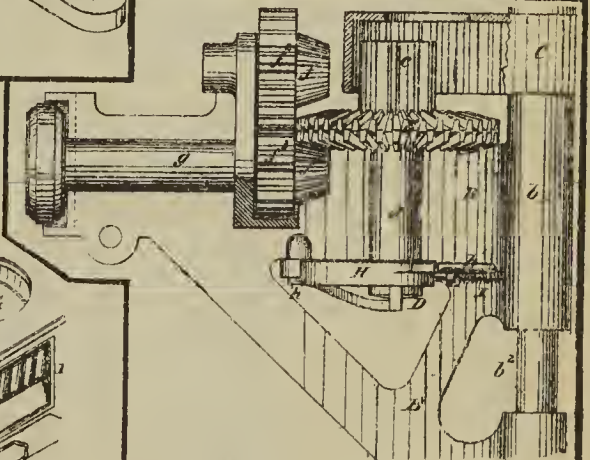
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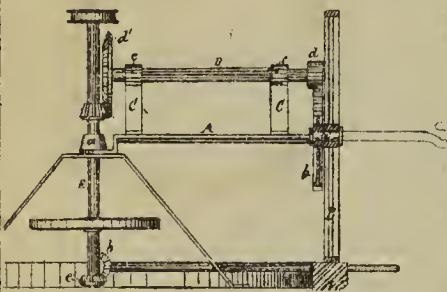
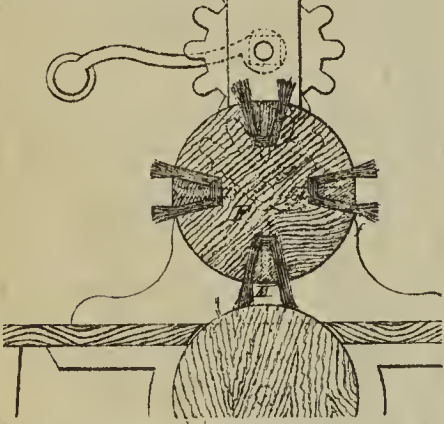
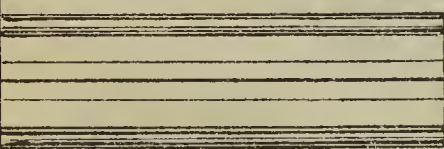
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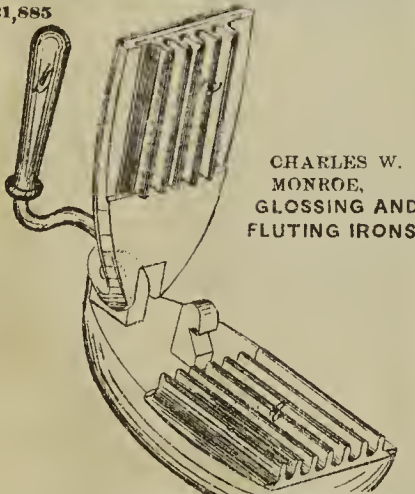
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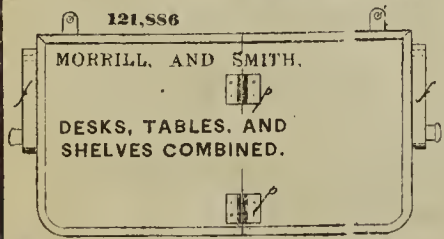
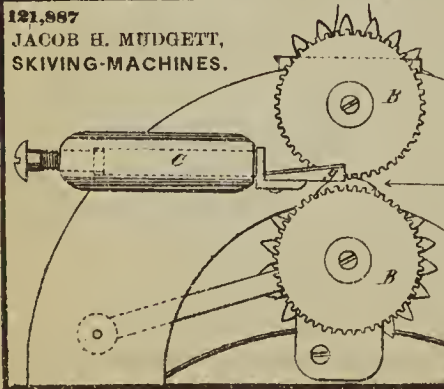
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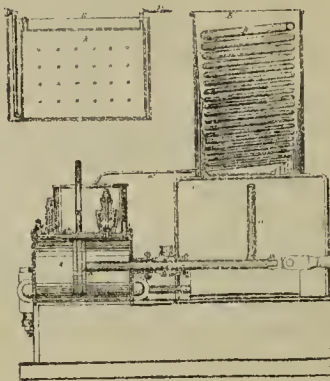
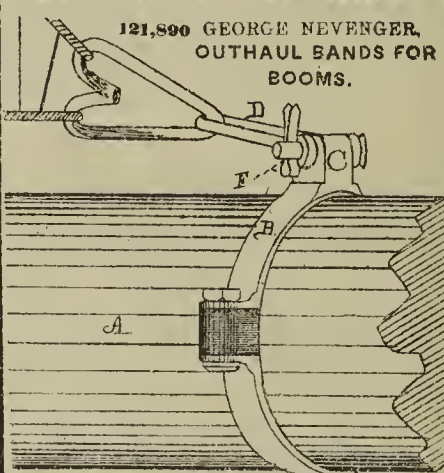
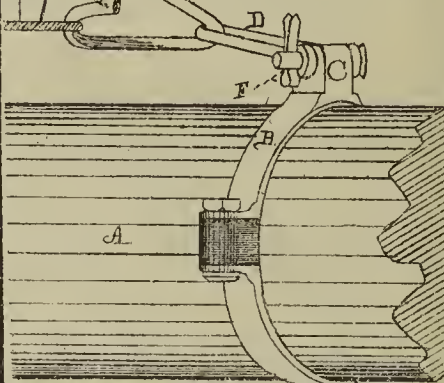
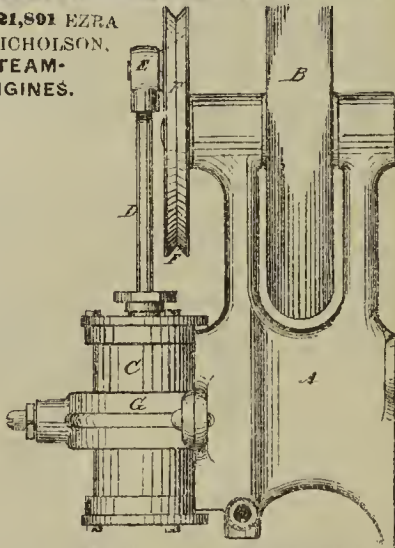
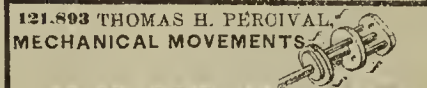
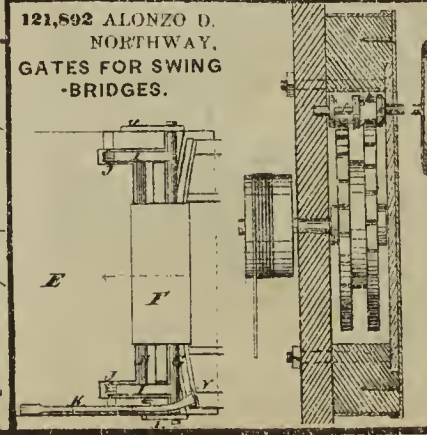
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CHARLES W.
MONROE,
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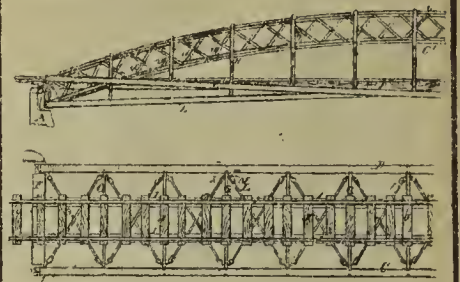
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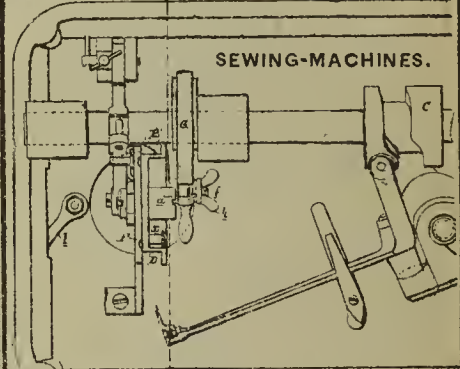
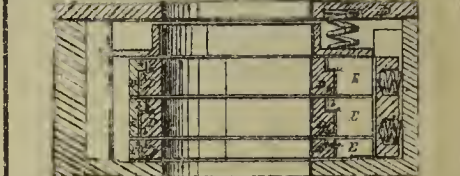
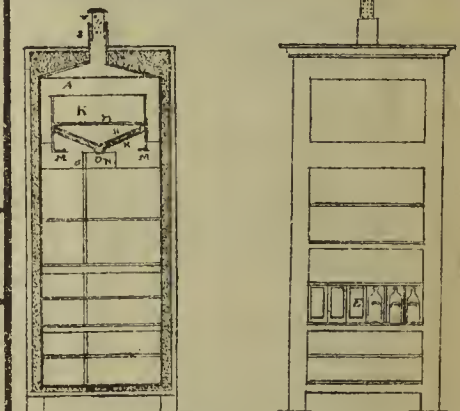


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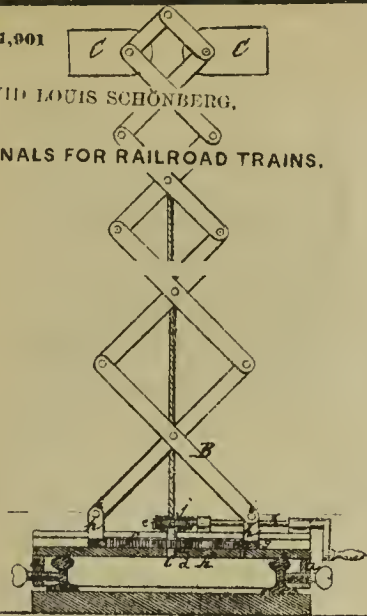
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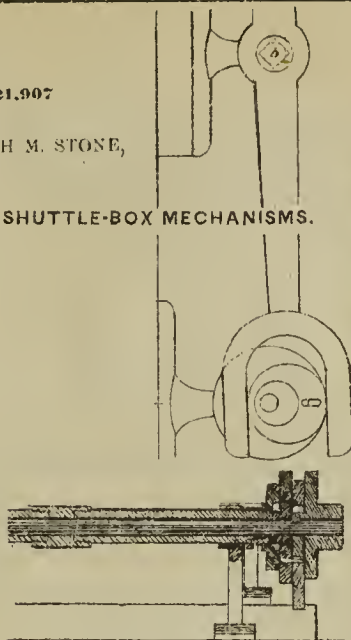
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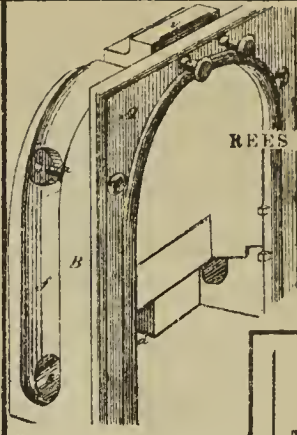
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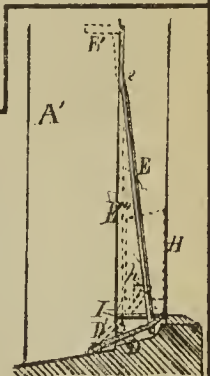
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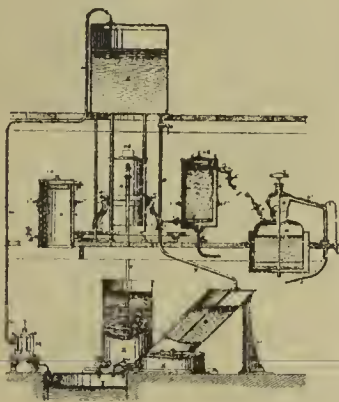
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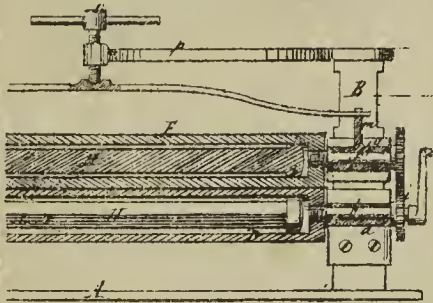
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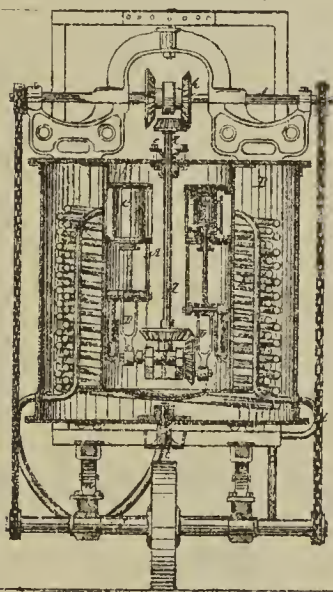


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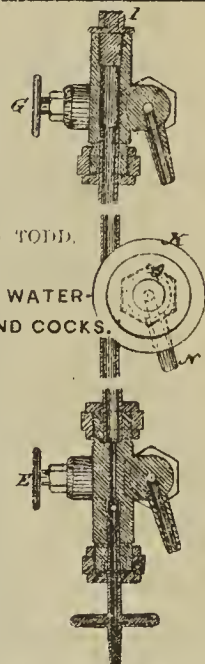
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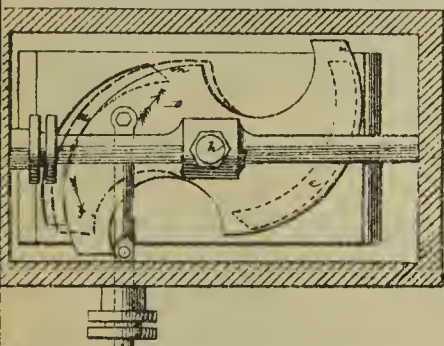
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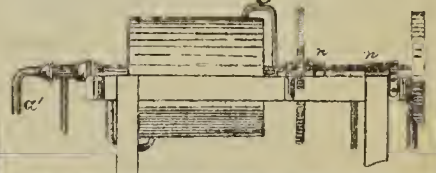
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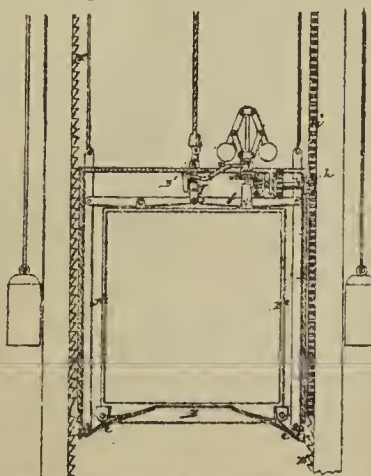


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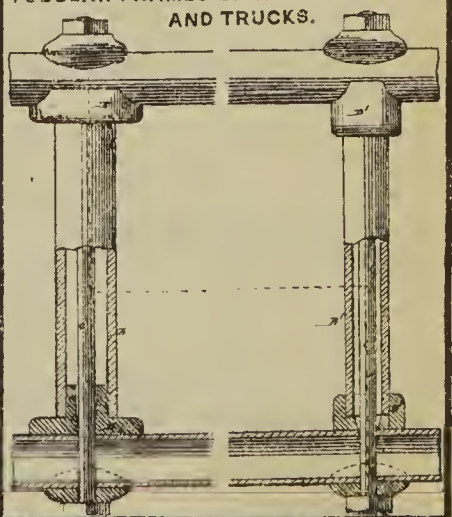
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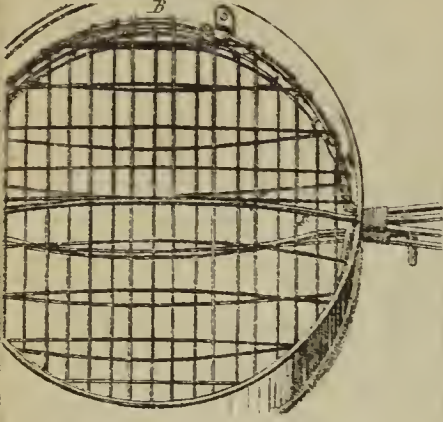
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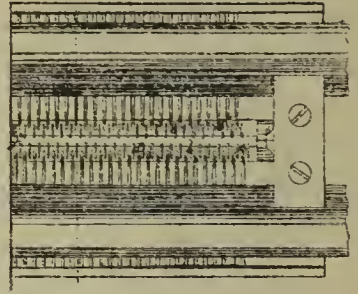
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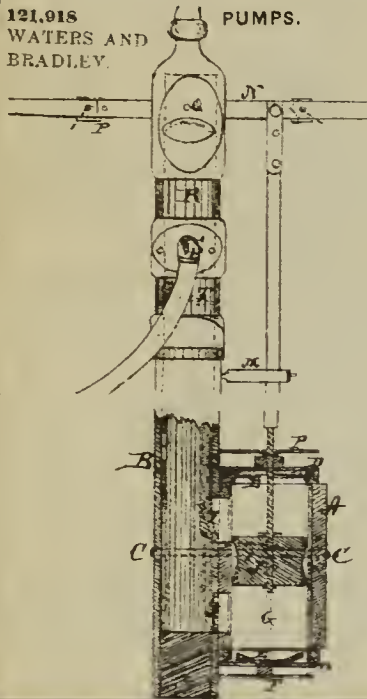
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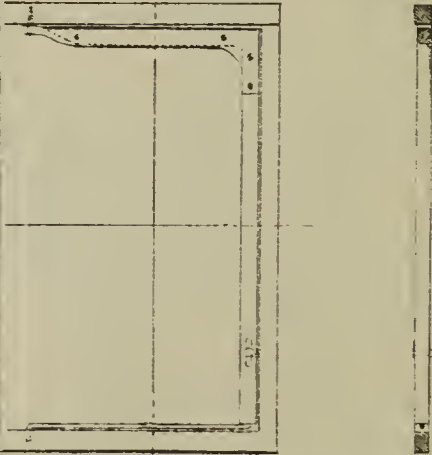
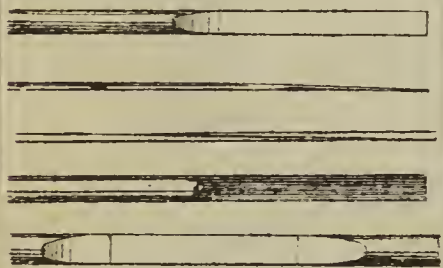
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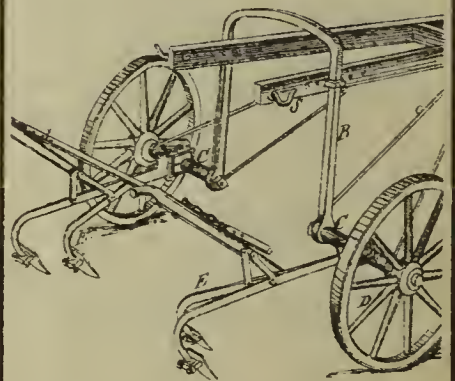
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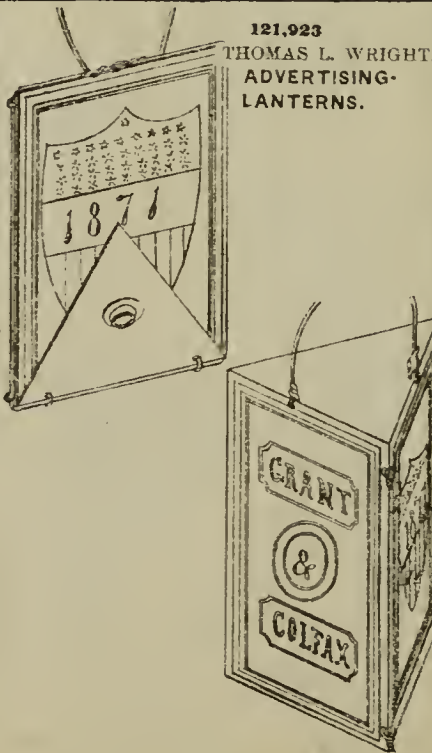
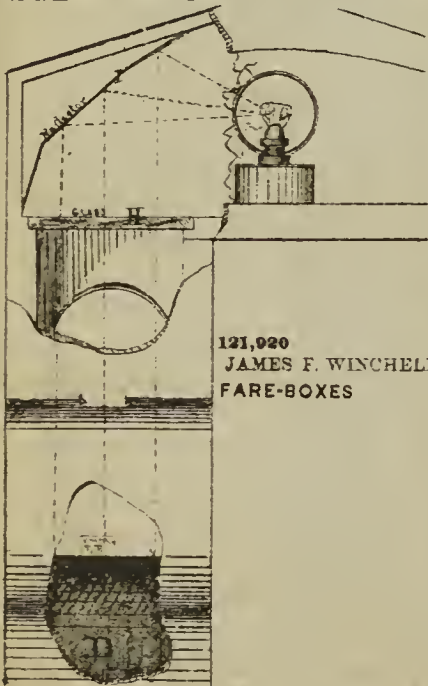
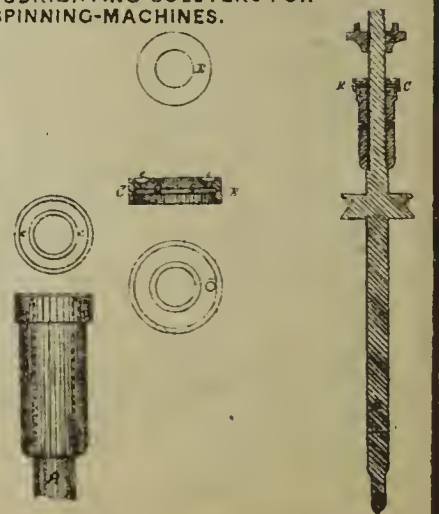
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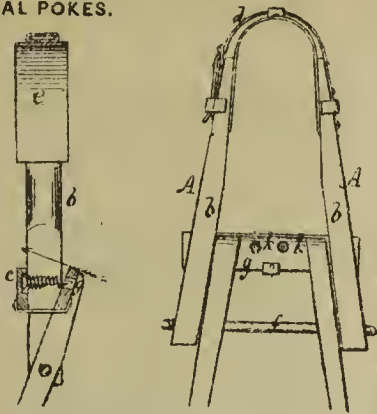
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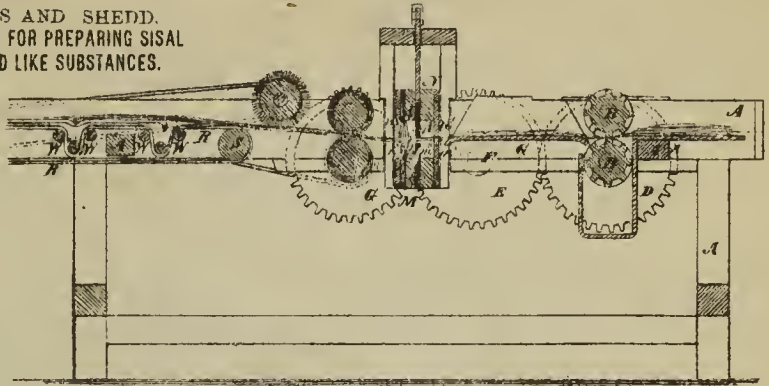
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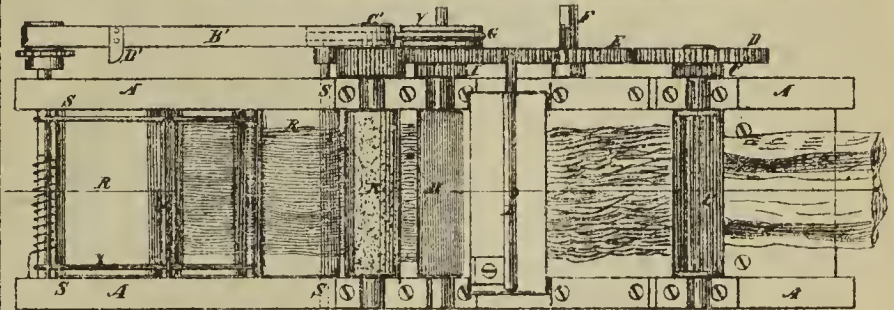
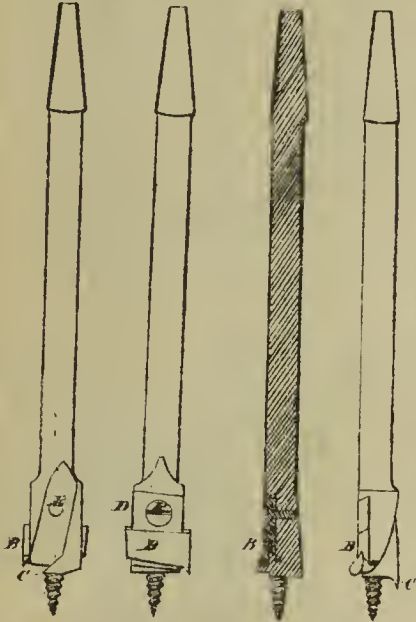
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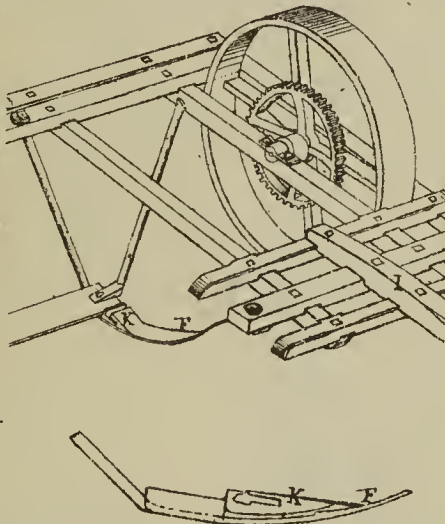
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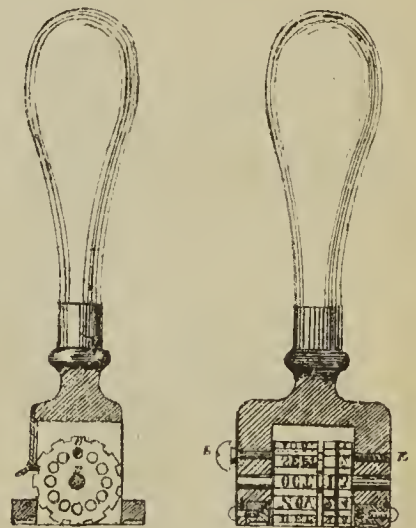
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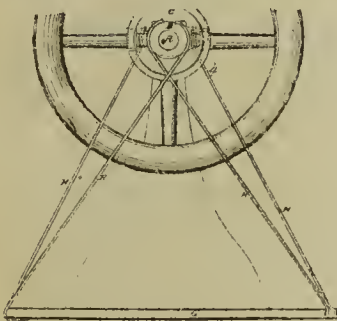
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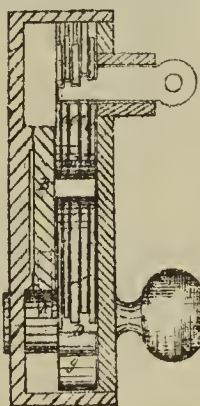
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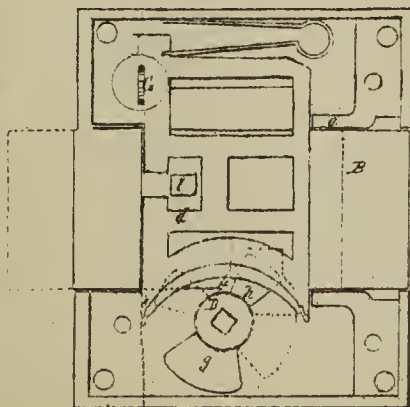
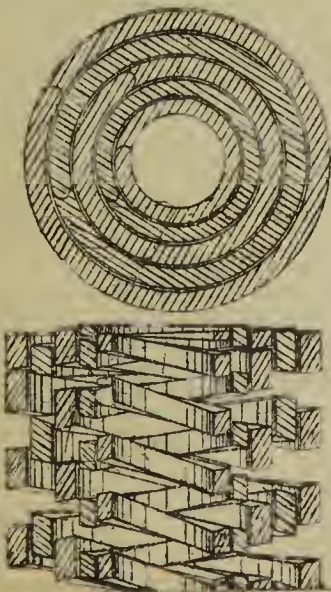
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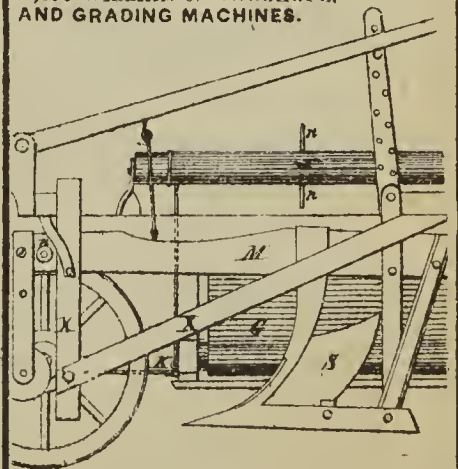
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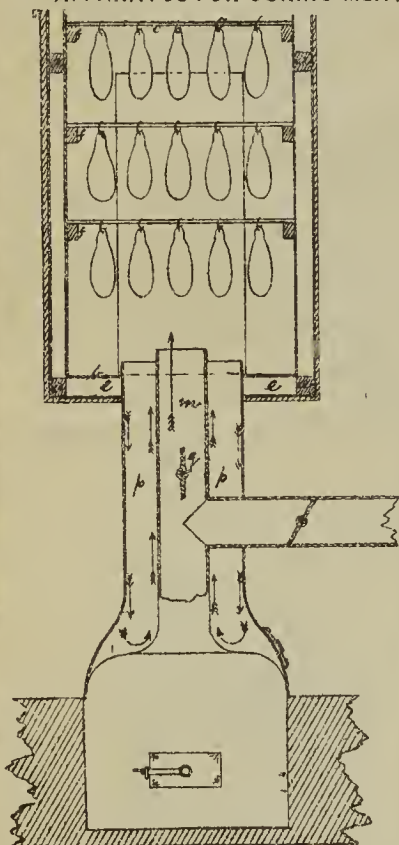


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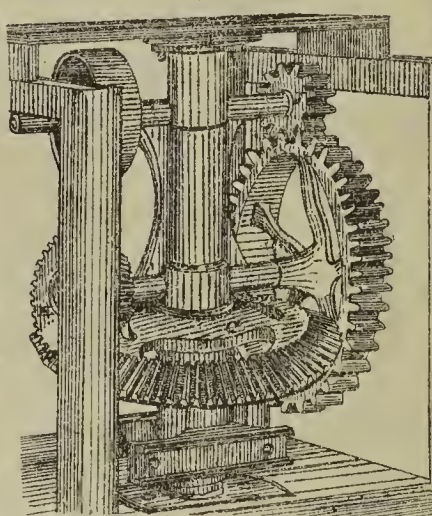


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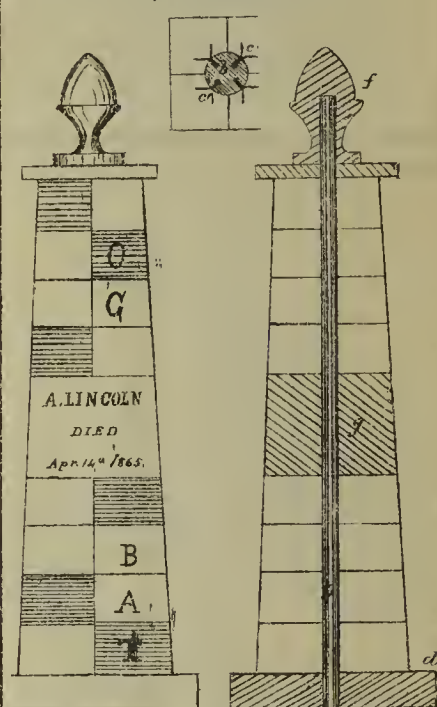
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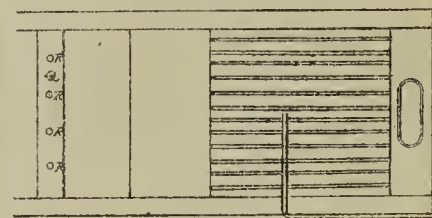
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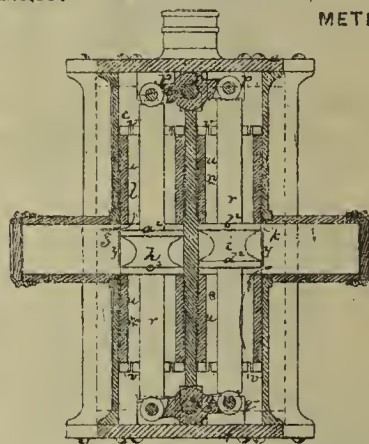
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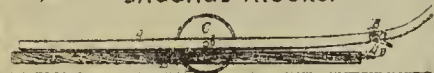
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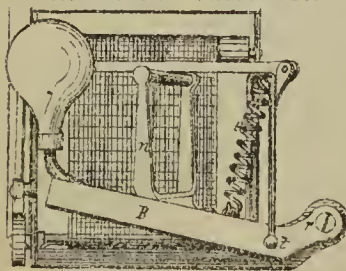


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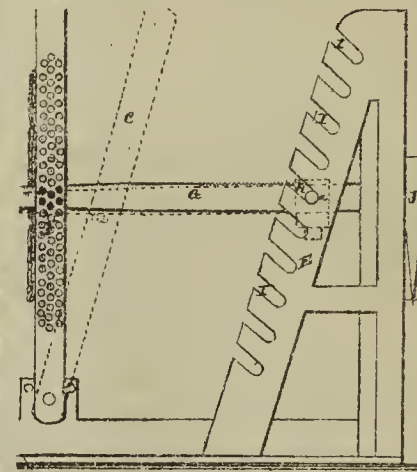


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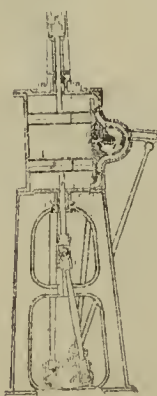
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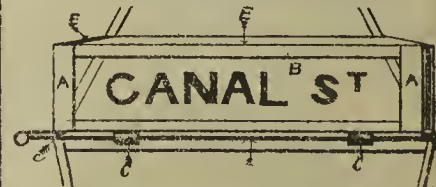
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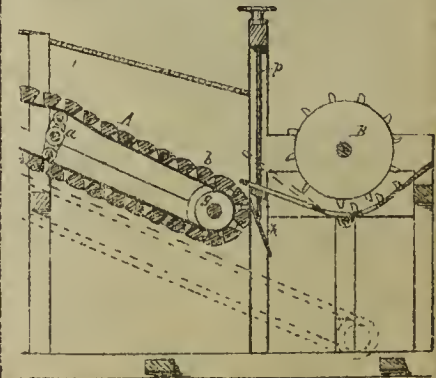
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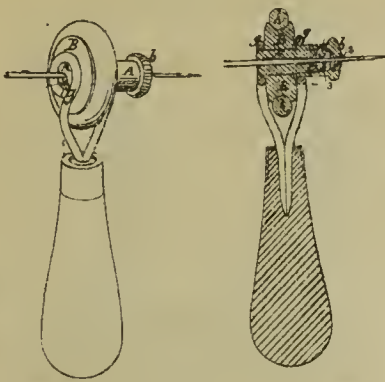
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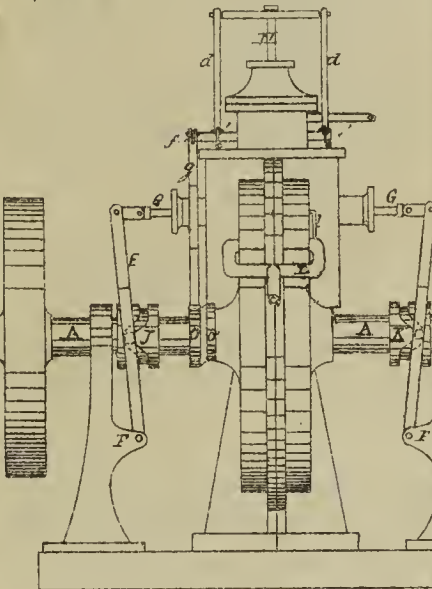
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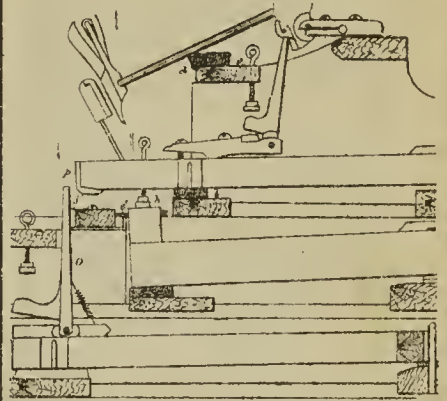
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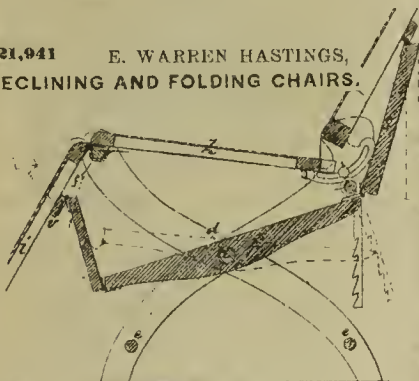
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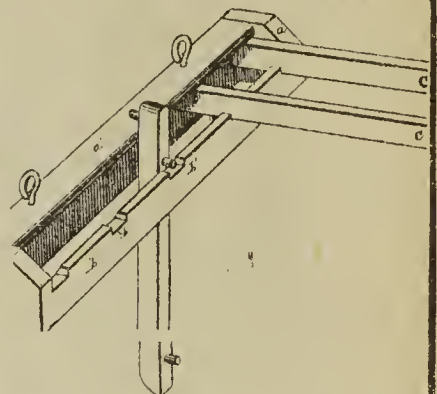
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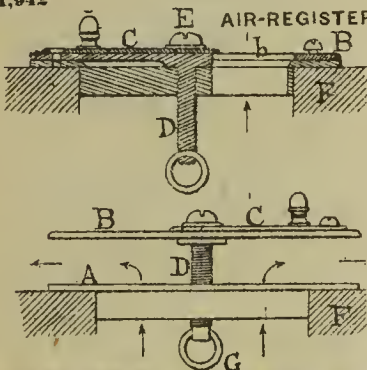
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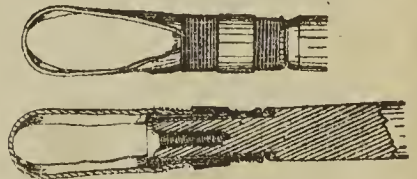
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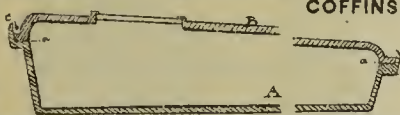
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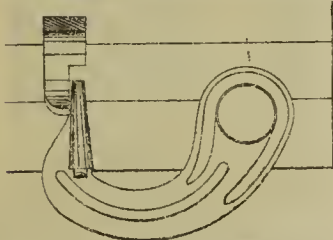
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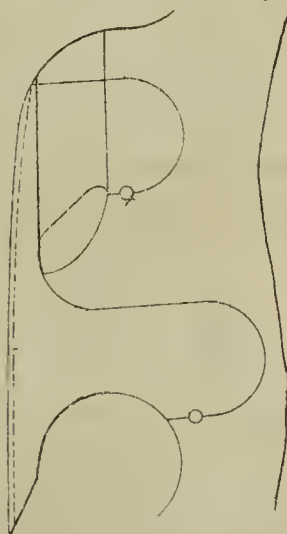
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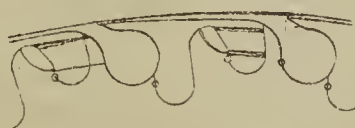
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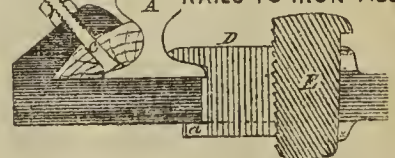
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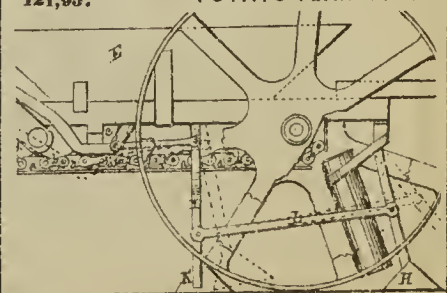
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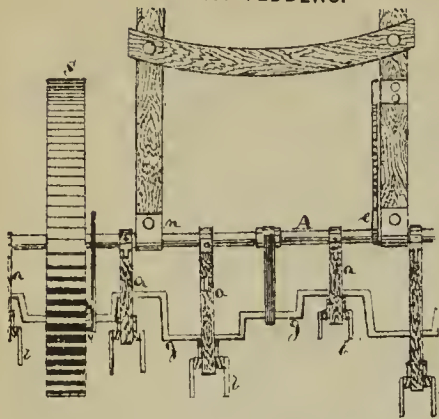
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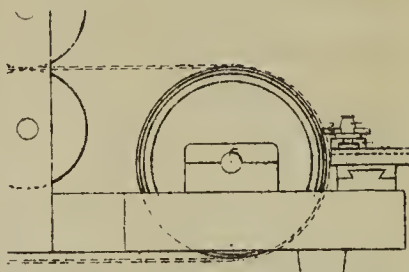
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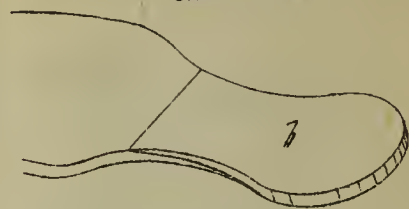
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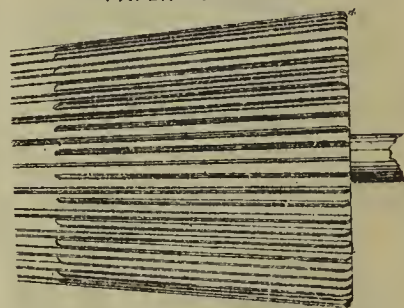
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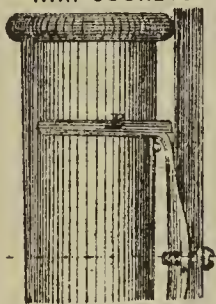
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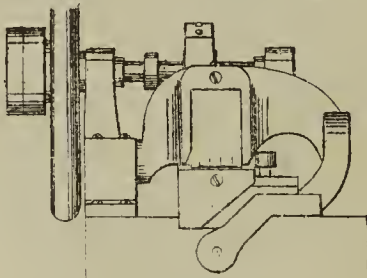
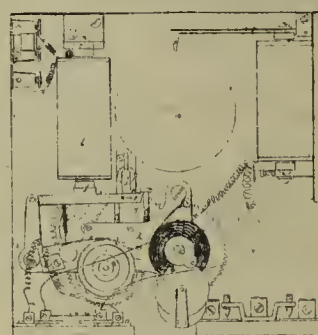
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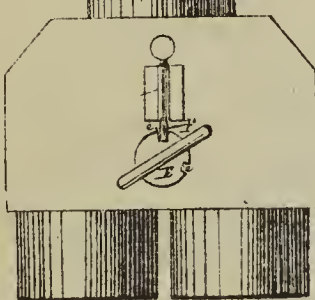
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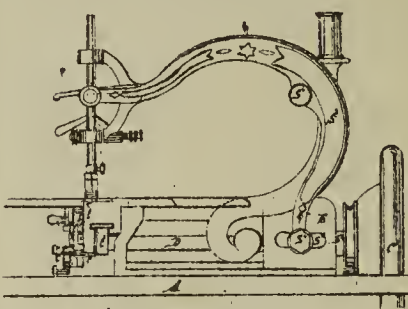
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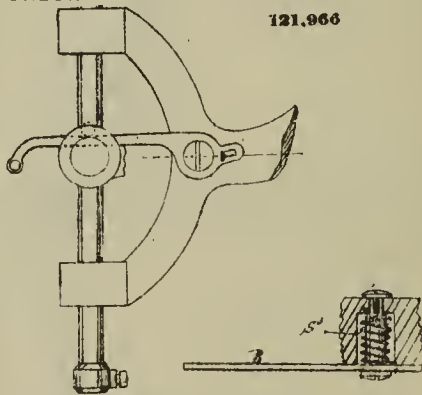
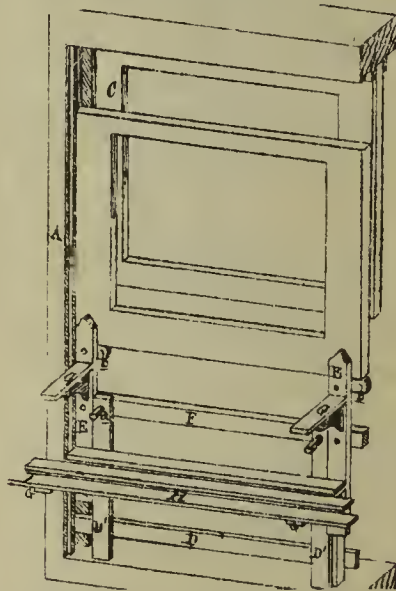
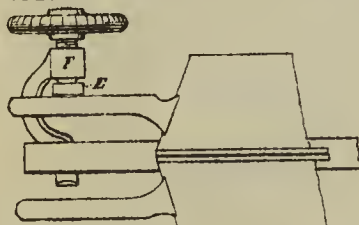
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PHILIP B. PETERS,
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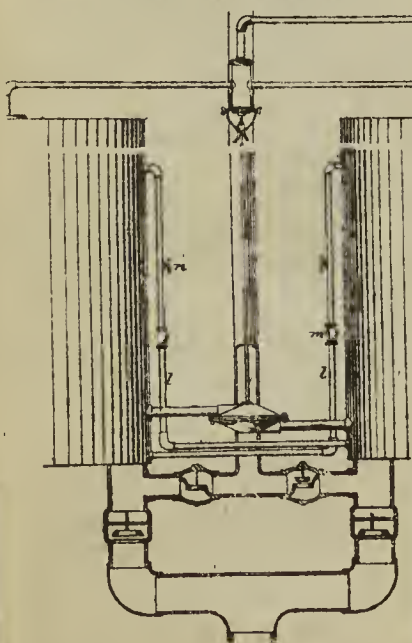
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JEROME B. SECOR,
SEWING-MACHINES.JEROME B. SECOR,
CHECK-LEVERS FOR SEWING-MACHINES.

121,966

121,972 FRANCIS W. TEST,
FLOWER-STANDS FOR WINDOWS.121,961 CHARLES J. C. PETERSEN,
DEVICES FOR SUPPORTING PIPE-CORES.

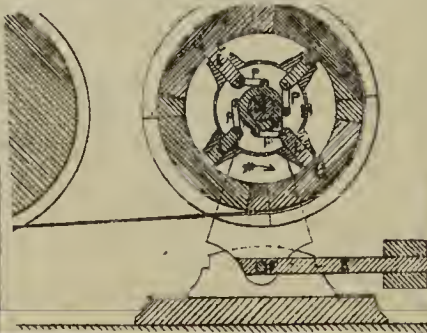
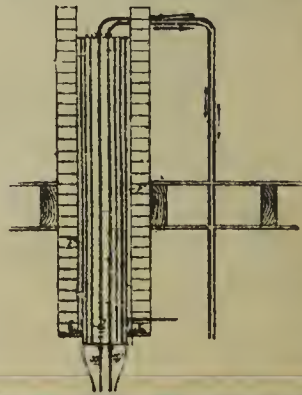
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WILLIAM EDGAR PRALL,
AUTOMATIC STEAM-TRAPS.

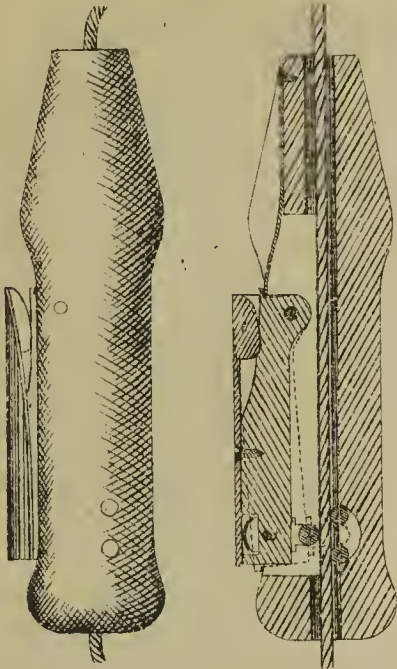
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JEROME B. SECOR,
NEEDLE-HOLDING DEVICES FOR
SEWING-MACHINES.

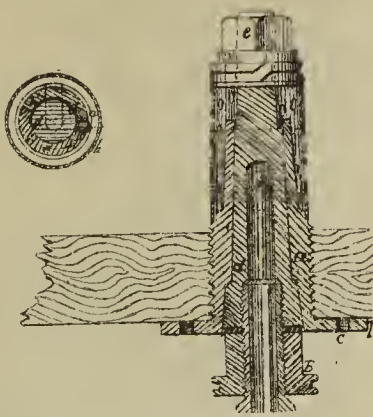
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HENRY F. SHAW,
GOVERNORS.121,973 FRANKLIN TILL,
BOILERS FOR DOMESTIC PURPOSES.

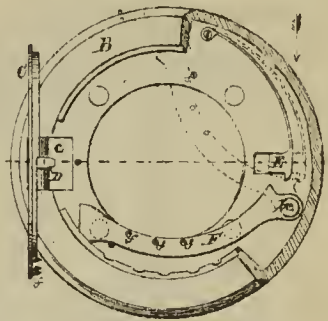
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JOHN TURNBULL,
HAND-PROTECTORS.

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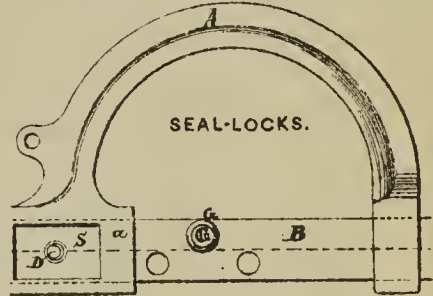
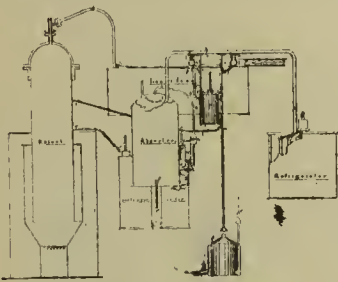
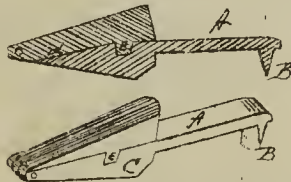
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FAUCETS.

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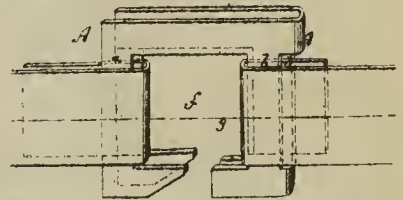
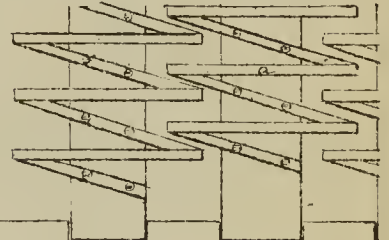
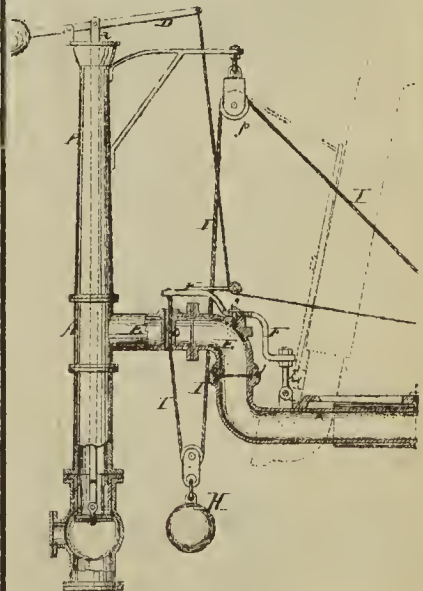
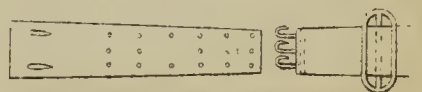
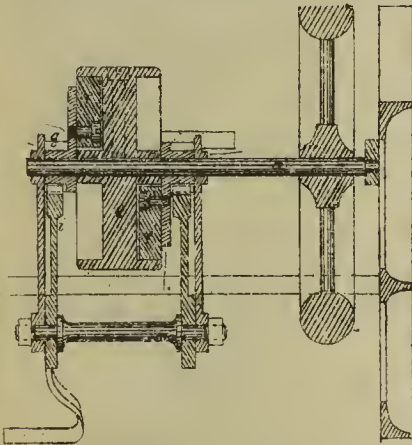
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REVENUE-STAMP CANCELERS.

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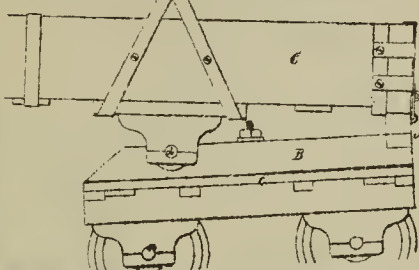
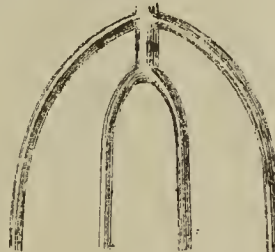
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121,975 ALEXANDER C. TWINING,
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DOOR-SECURERS.

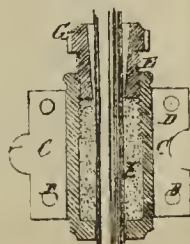
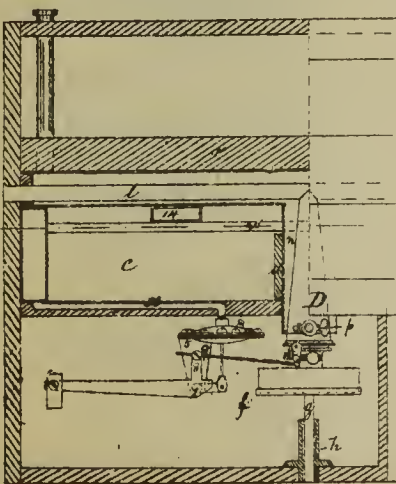
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121,989 ISAAC BROWN,
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TREADLES FOR SEWING-MACHINES.

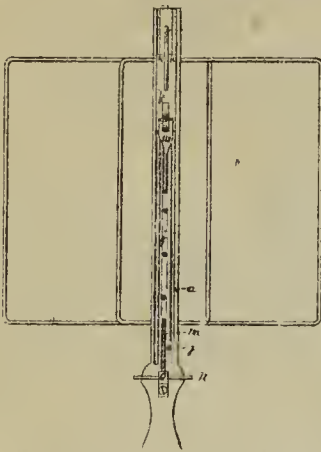
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CHARLES BARRETT,
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RUBBER ERASERS.121,983 CALVIN T. BEEBE,
MANUFACTURE OF BARN-FORKS.121,984 LOUIS BODENHEIMER,
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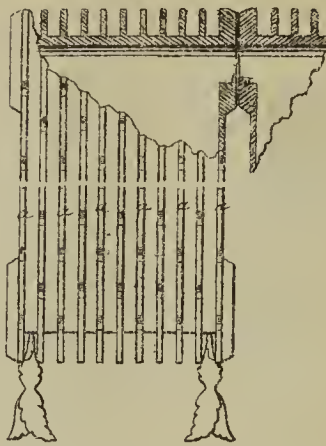
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HENRY BOLTHOFF,
STAMP-GUIDES.121,977 WOODWARD AND MILLETT,
INCUBATORS.

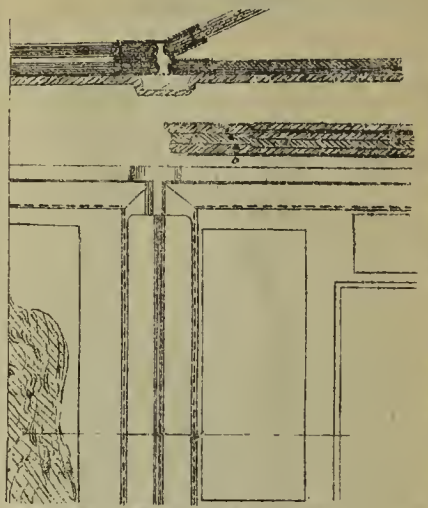
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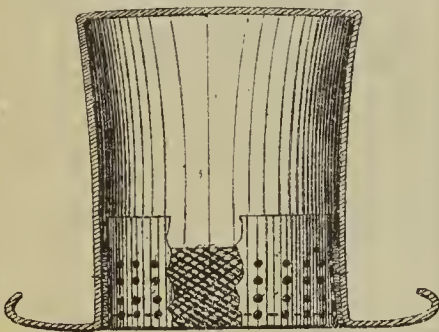
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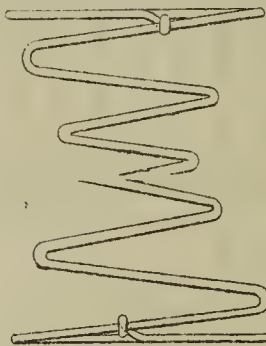
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LEFFERT R. CORNELL, 121,994
BRINE FOR MANUFACTURE OF SALT.

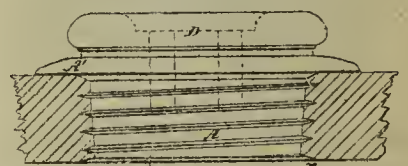
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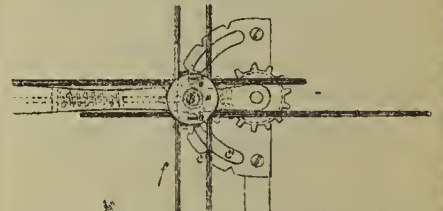
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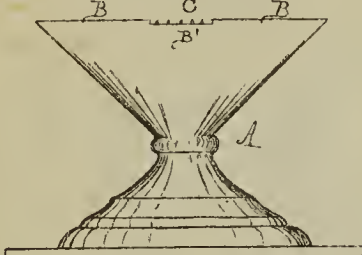
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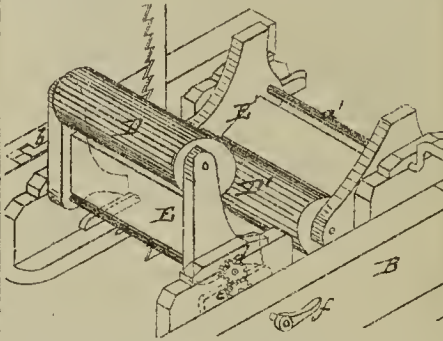
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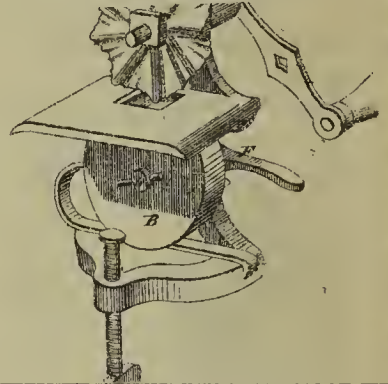
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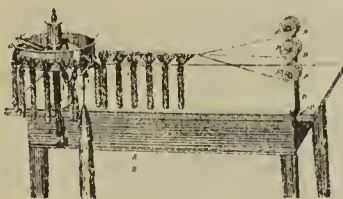
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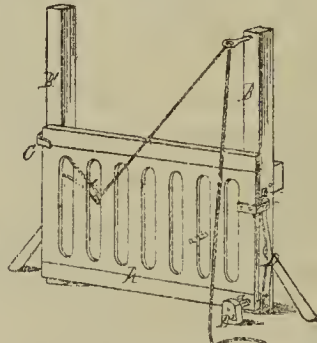
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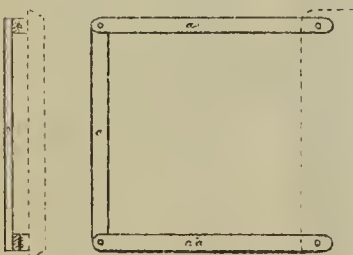
121,997 NARCISSE DEMONGEOT, HAIR WEAVING AND MOUNTING APPARATUS.



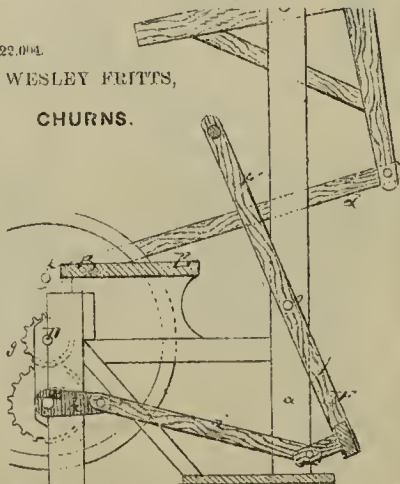
122,003 JOHN FAUSSETT, GATES.



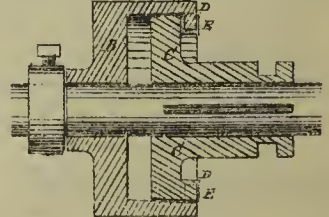
121,998 ARTHUR DICKINSON, MEANS FOR EXTENDING THE TABLES OF SEWING-MACHINES.



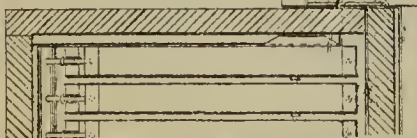
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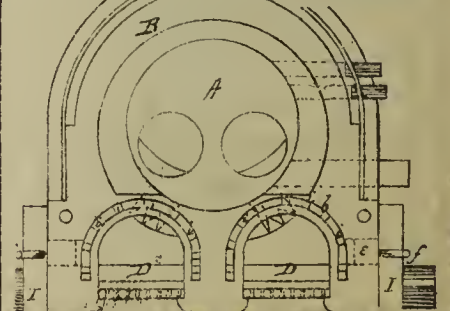
122,009 ABIJAH WHITNEY HALL, COMBINED FRICTION AND RATCHET CLUTCHES.



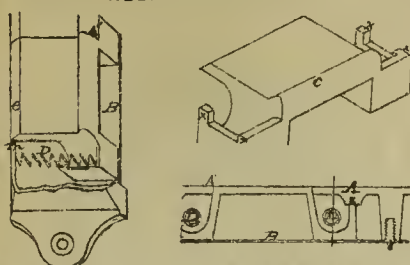
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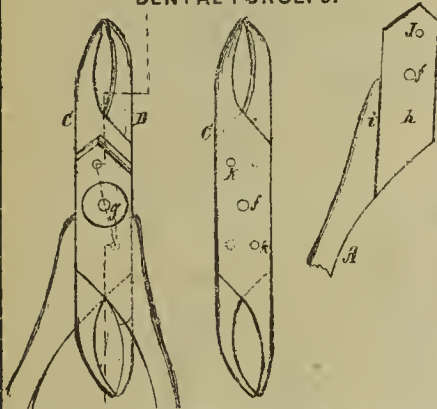
122,010 WILLIAM P. HALL, STEAM-BOILER CASINGS AND FURNACES.



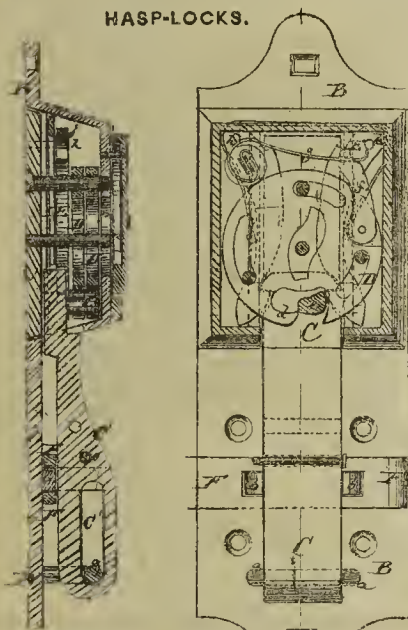
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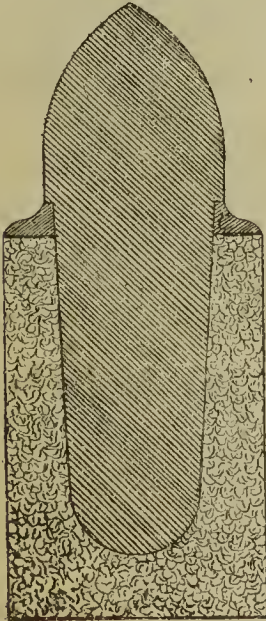
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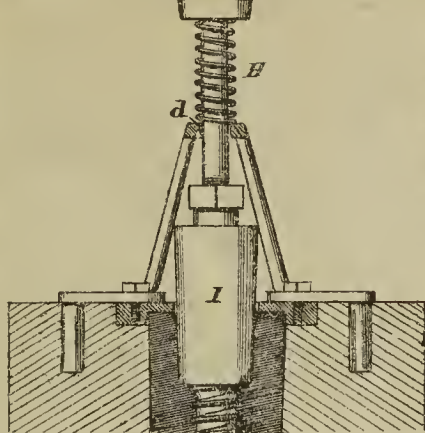
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HASP-LOCKS.



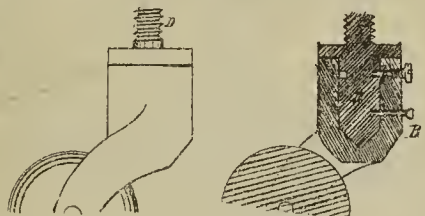
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PROJECTILES.



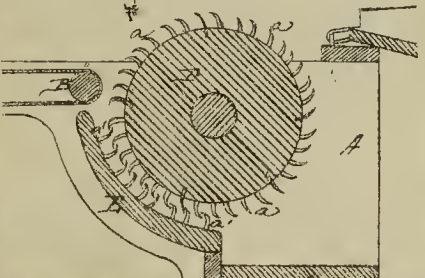
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MOLDING TELEGRAPH-INSULATORS.



122,016 SAMUEL S. HICROCK,
CASTERS FOR FURNITURE.



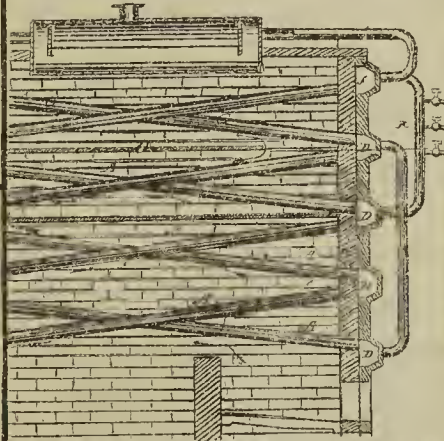
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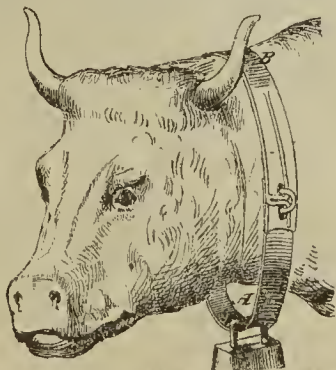
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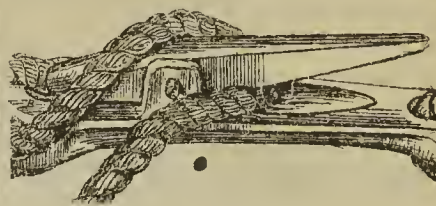
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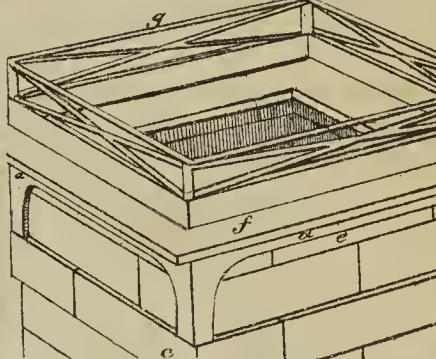
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JOSEPH H. HUGHS AND ABSALOM HUGHS.



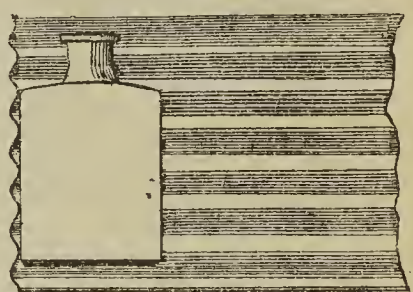
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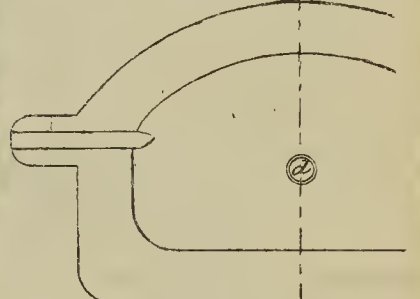
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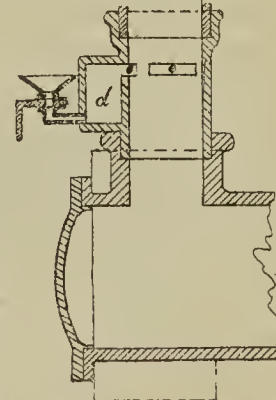
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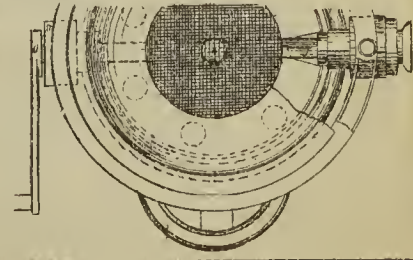
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COAL-GAS APPARATUS.



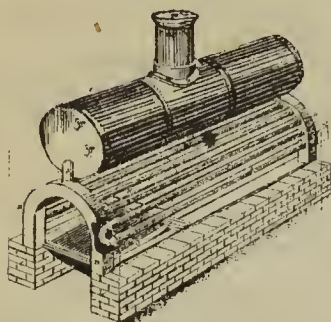
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APPARATUS FOR
THE MANUFACTURE OF GAS.



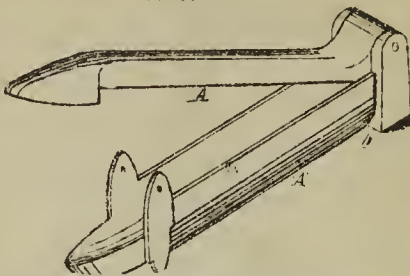
122,026 JOHN A. JORDAN, CHURNS.



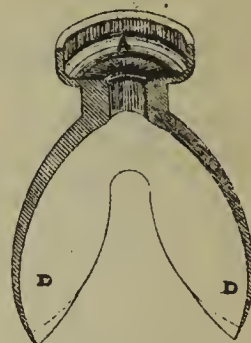
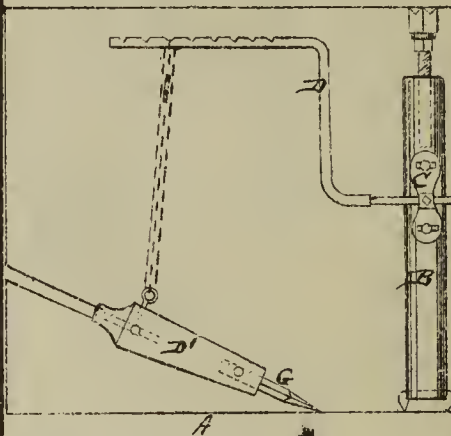
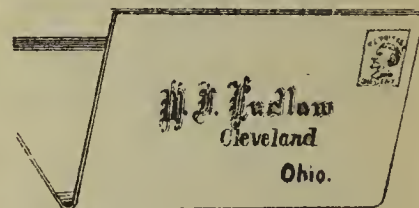
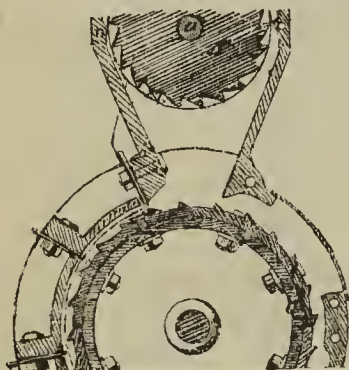
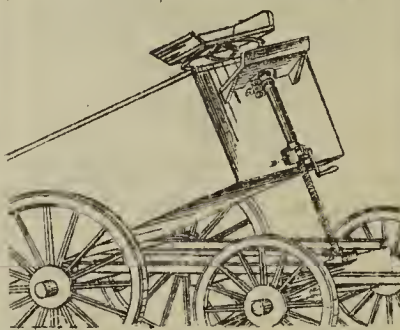
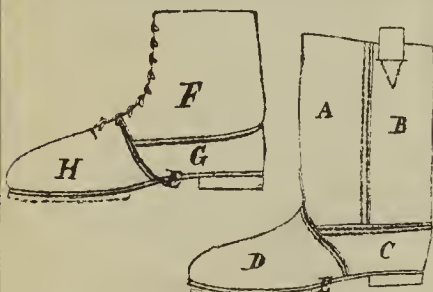
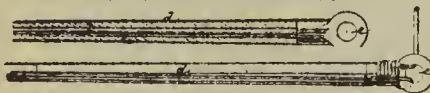
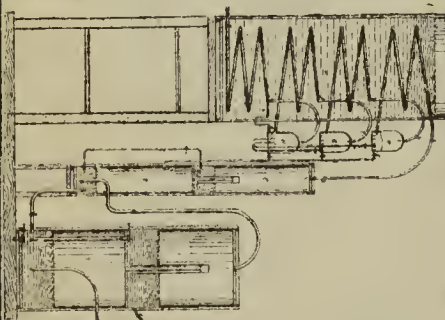
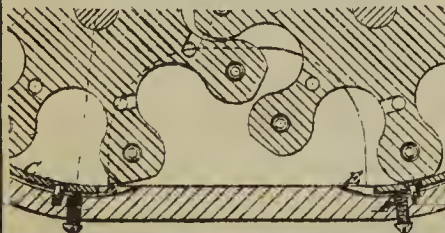
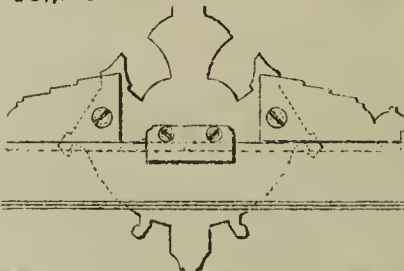
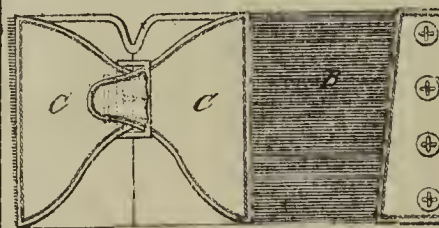
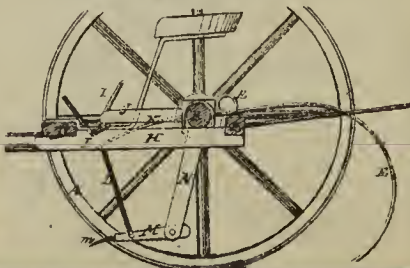
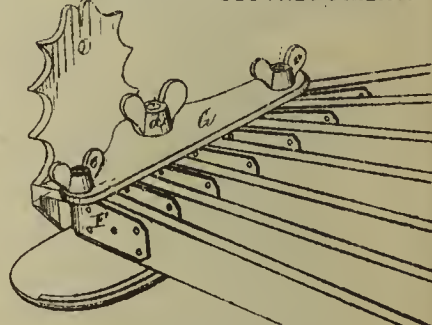
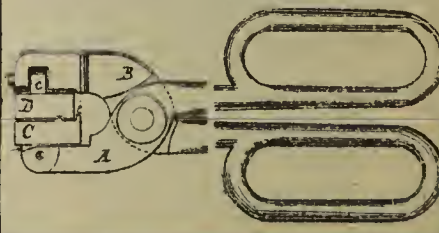
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JOHN JOSEPH JORDAN.
STEAM-GENERATORS.

122,034

LAHAYE AND LYONS.
CIGAR-MOLDS.

122,040

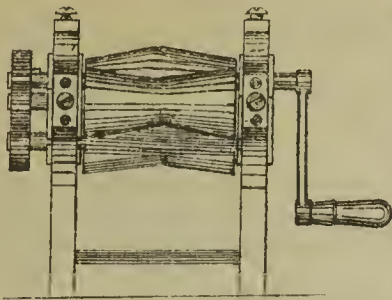
ALEXANDER LOWE,
UTERINE SUPPORTERS.122,035 ISAAC LAMPLUGH,
COAL-MINING TOOLS.122,041 WASHINGTON I. LUDLOW,
POSTAL-CARDS.122,028 DAVID KAHNWEILER,
FEED DEVICES FOR HULLING-MACHINES.KEARSING AND KEARSING, 122,029
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FOR DENTAL PURPOSES.122,036 ROBERT B. LITTLE,
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NEEDLE-ELECTRODES122,032 GOTTHARD KLEINER,
APPARATUS FOR DISTILLING SPIRITS.122,033 TRUCKSON S. LA FRANCE,
ROTARY ENGINES.122,037 WILLIAM LLOYD,
CORNICES FOR WINDOW-CURTAINS.122,039 HENRY C. LOCKWOOD,
ADJUSTABLE AND DETACHABLE
STRAPS FOR GARMENTS.122,030 J. GEORGE LOCKWOOD
HORSE HAY-RAKES.122,043 WILLIAM C. MAYNARD
CLOTHES-DRIERS.122,044 JAMES W. MCKEE,
IMPLEMENTS FOR EMBOSSEING FABRICS.

122,045.

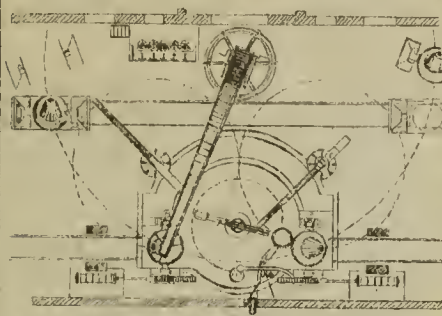
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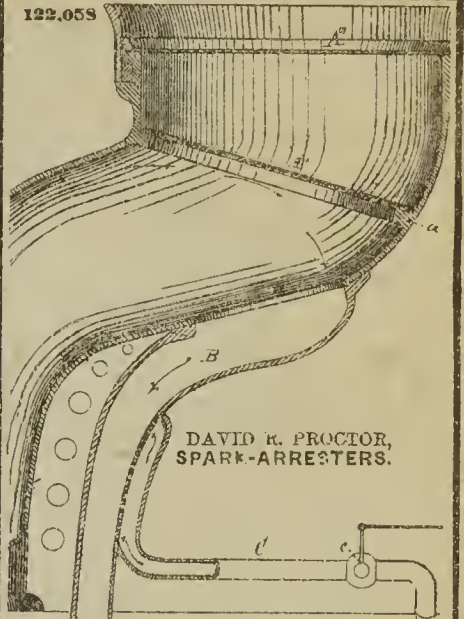
122,045 FREDERICK MEYER.
MACHINES FOR FORMING SCALE-PANS.



122,052 JOHN B. PEARSE,
MANUFACTURE OF BESSEMER STEEL.



122,058

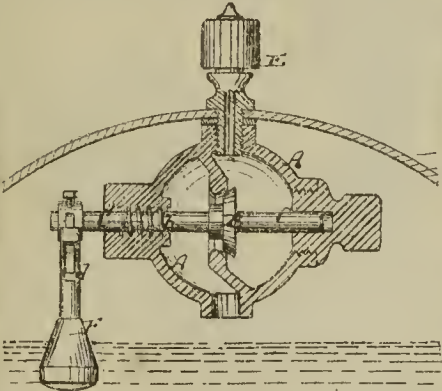


DAVID R. PROCTOR,
SPARK-ARRESTERS.

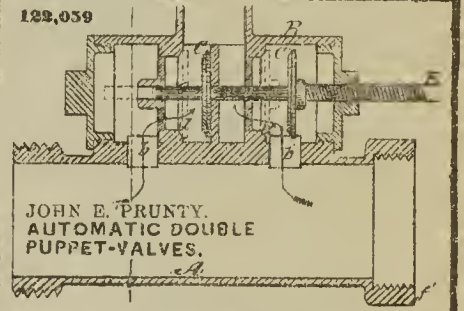
122,046 CHARLES MICKLE,
PROPULSION OF VESSELS.



122,053 JOHN PETERS,
STEAM-BOILER FLOAT-VALVES.

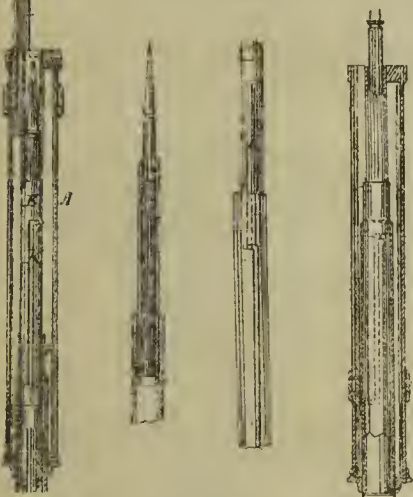


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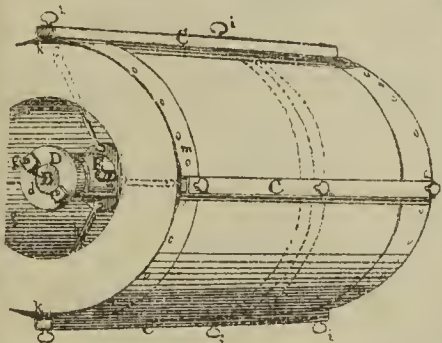


JOHN E. PRUNTY,
AUTOMATIC DOUBLE
PUPPET-VALVES.

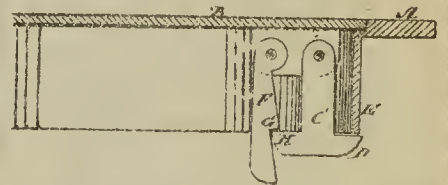
122,047 JOSEPH MONAGHAN,
PEN AND PENCIL CASES.



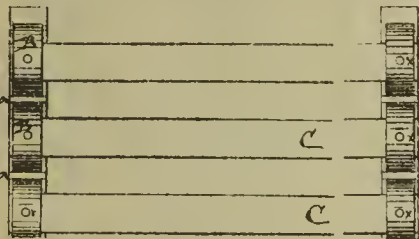
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122,060 ANDREW RICHARDSON,
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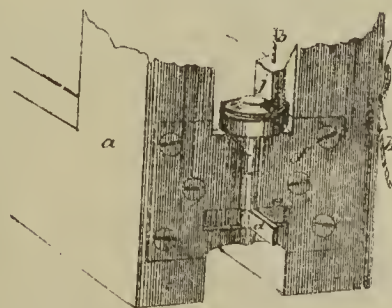
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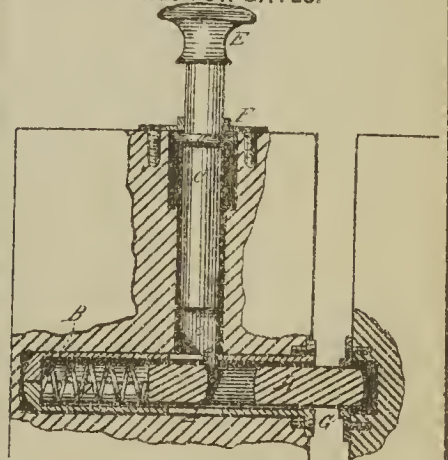
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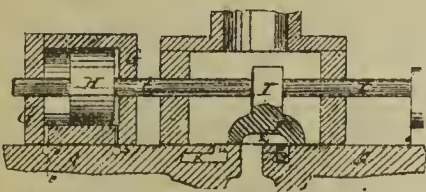
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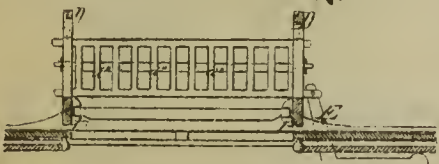
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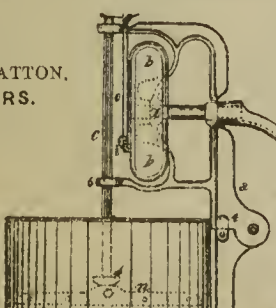
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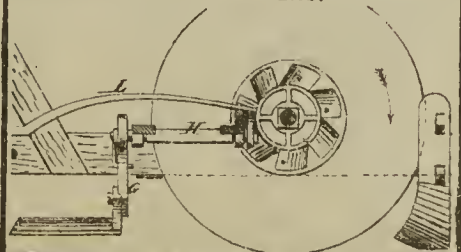
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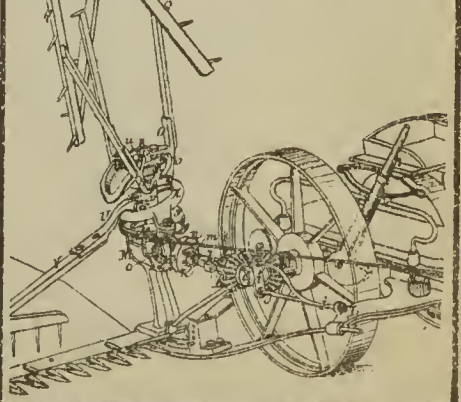
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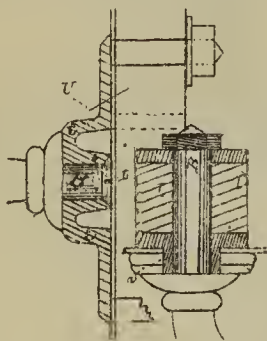
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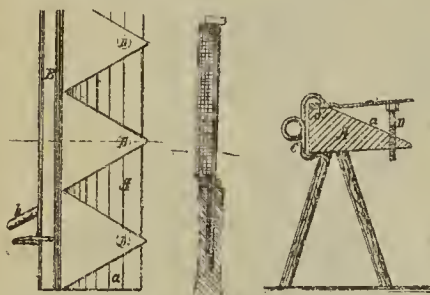
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122,063 CYRUS W. SALADEE,
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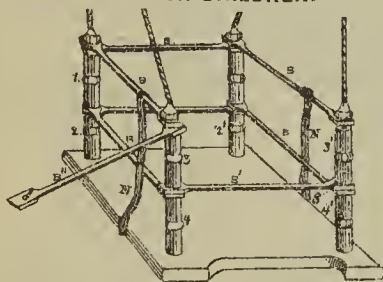


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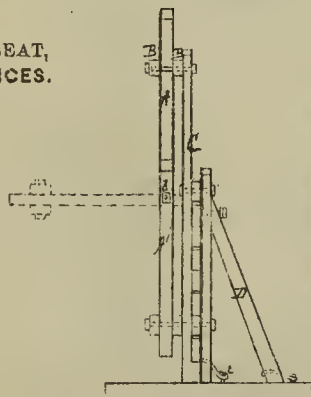


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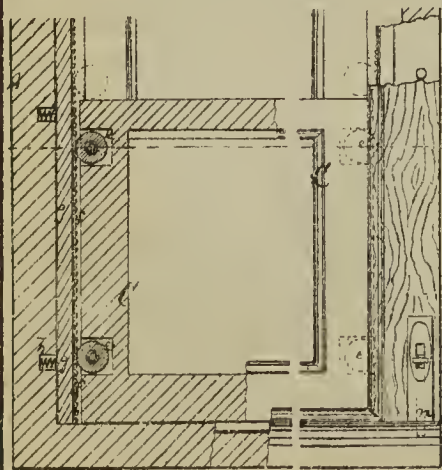
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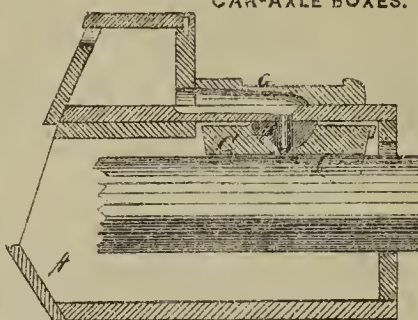
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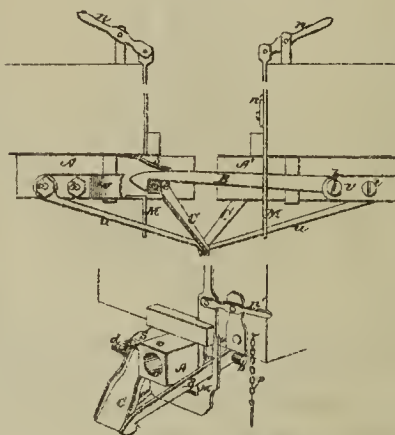
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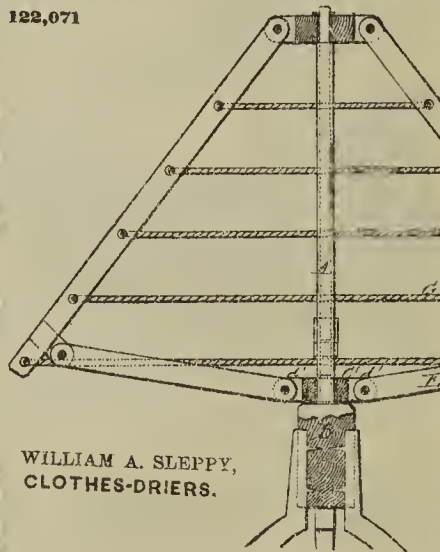
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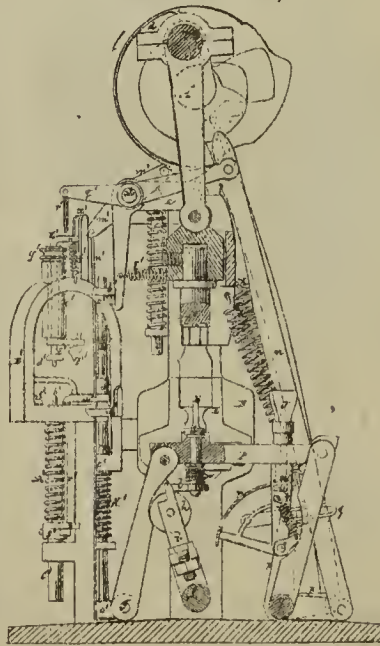


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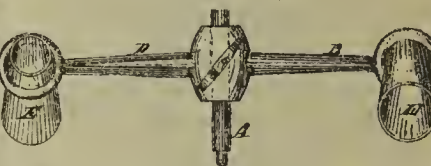


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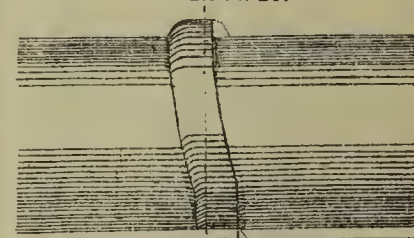
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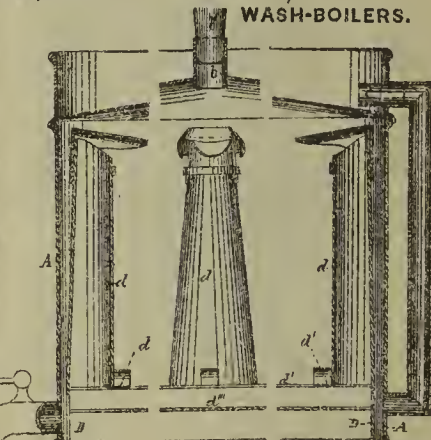
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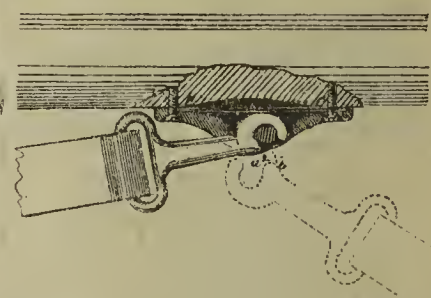
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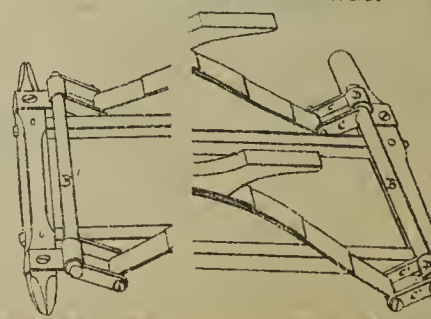
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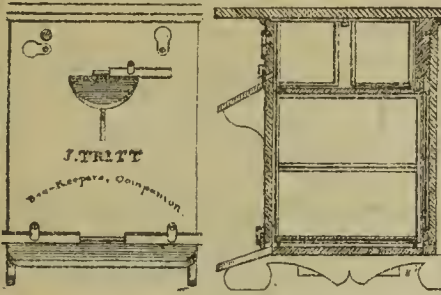
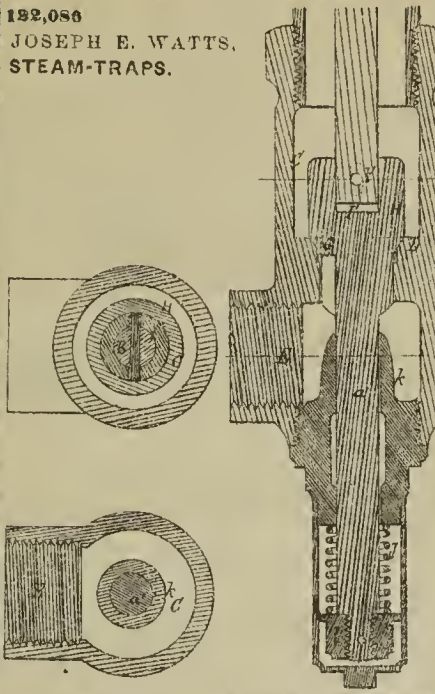
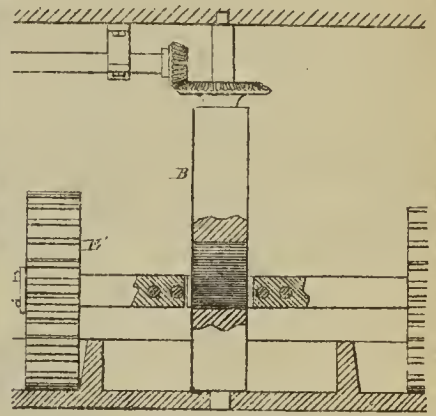
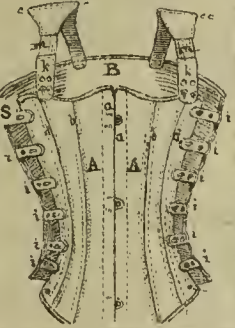
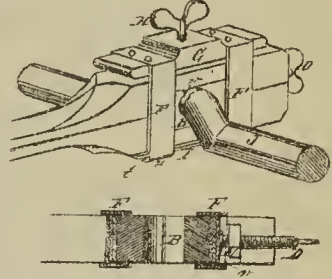
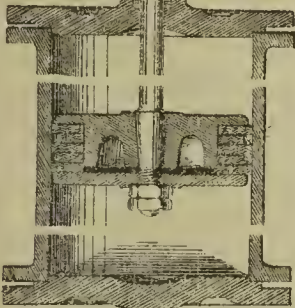
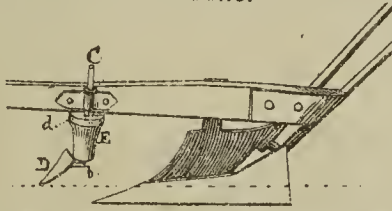
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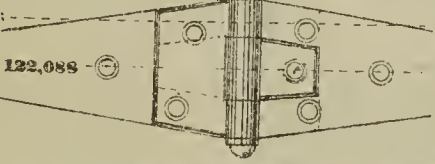
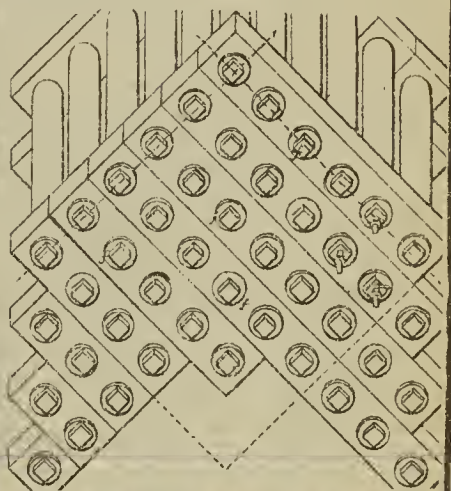
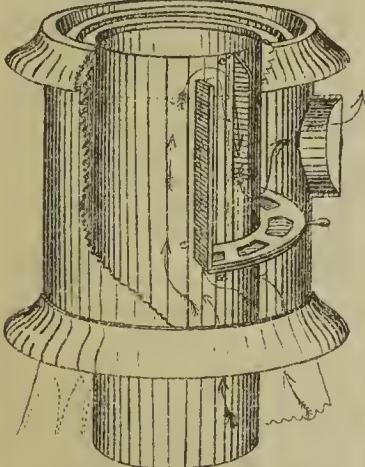
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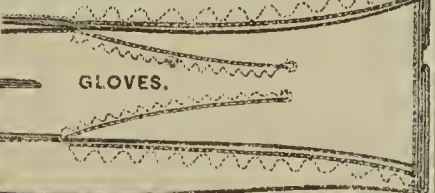
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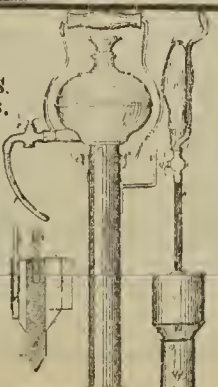
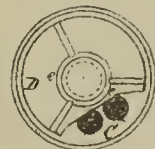
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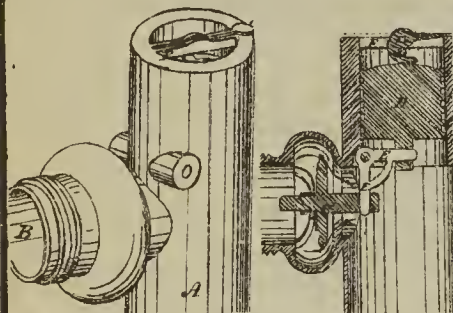


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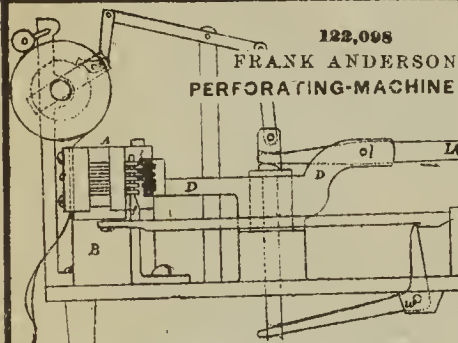
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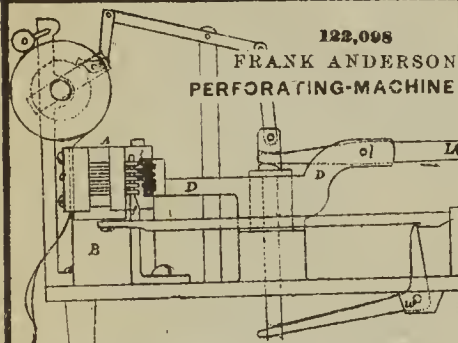


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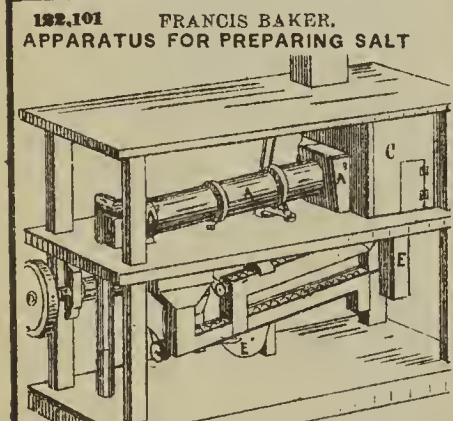


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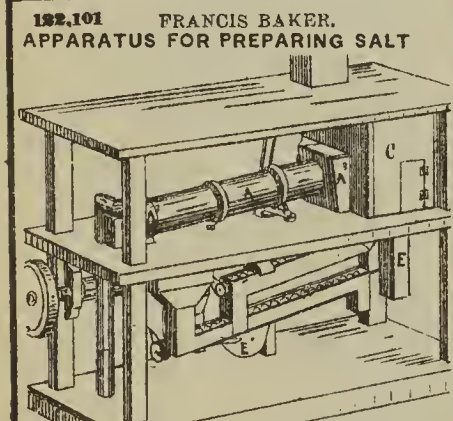
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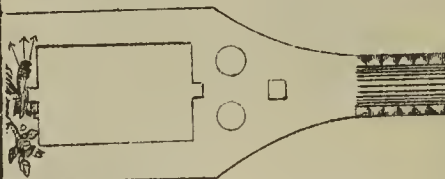
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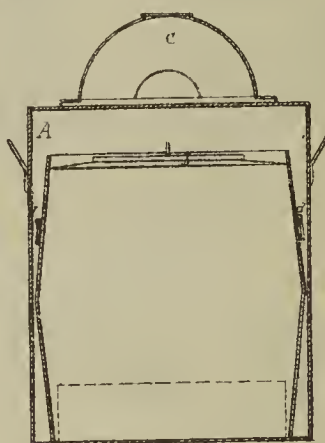
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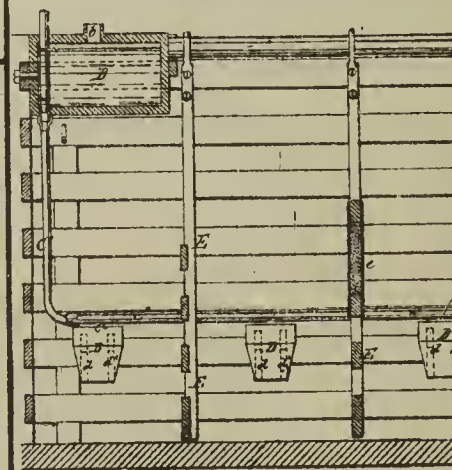
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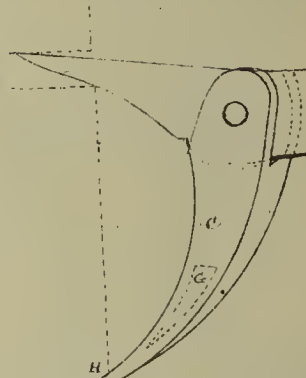
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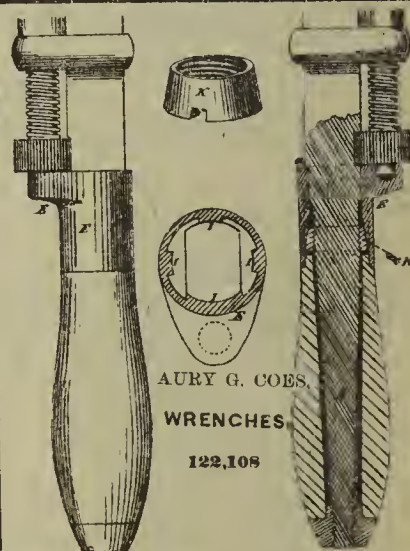
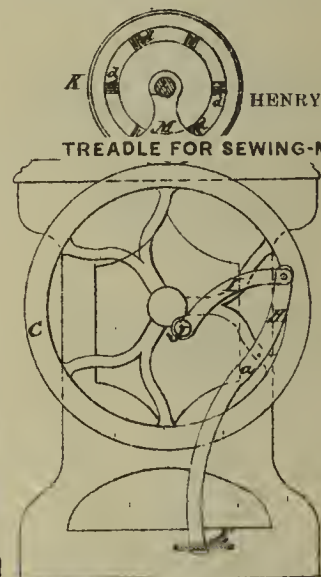


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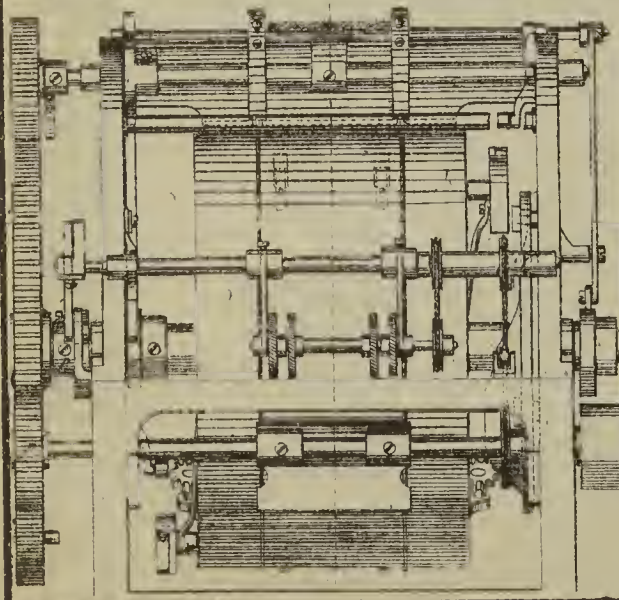
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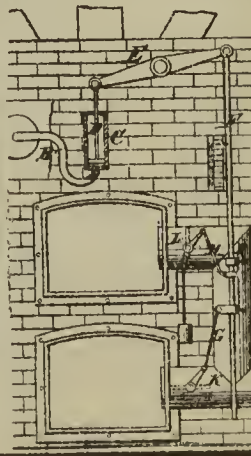
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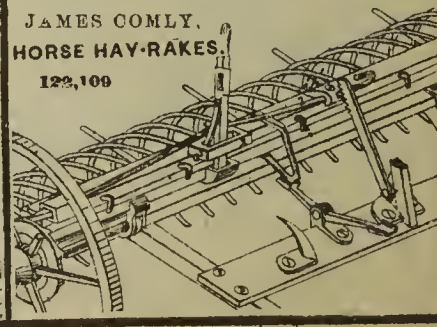


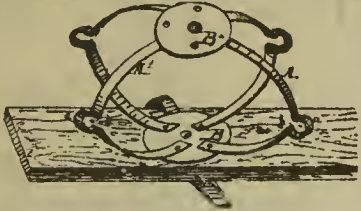
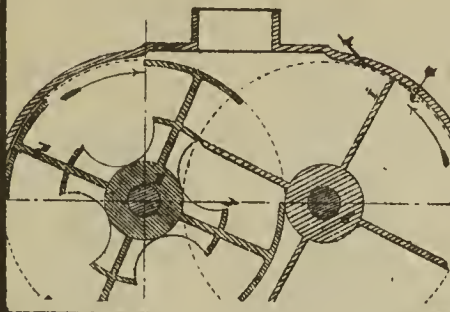
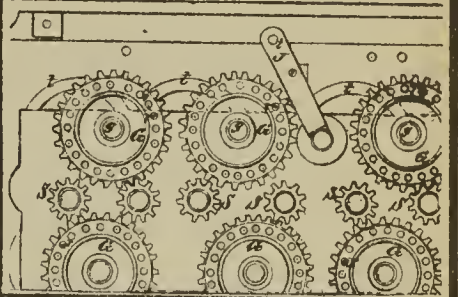
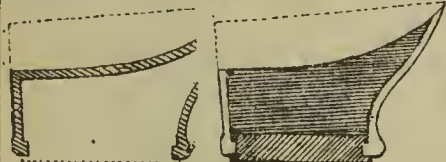
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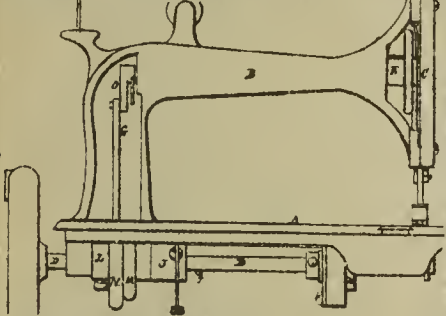
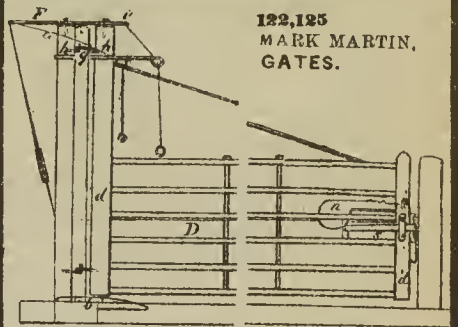
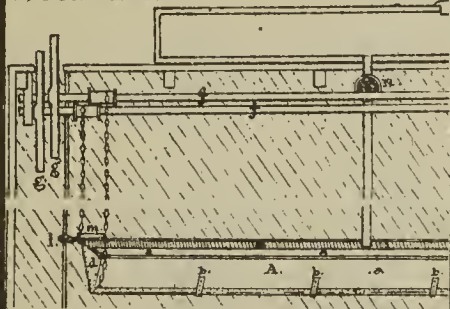
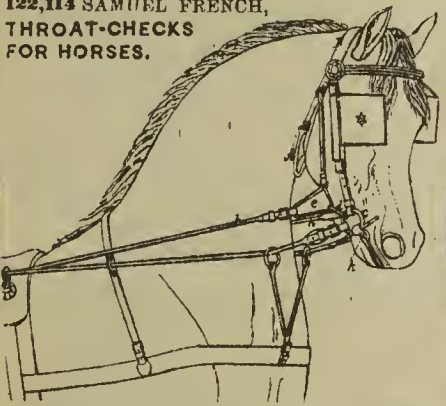
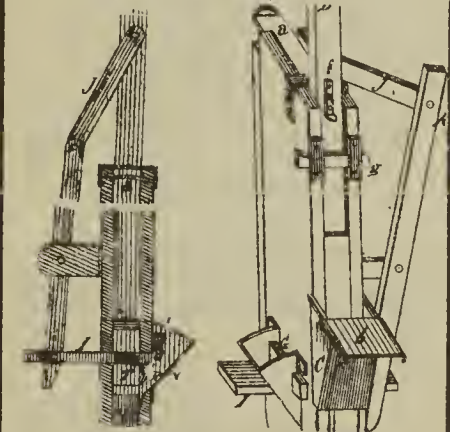
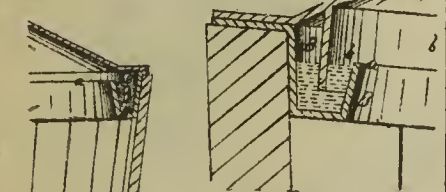
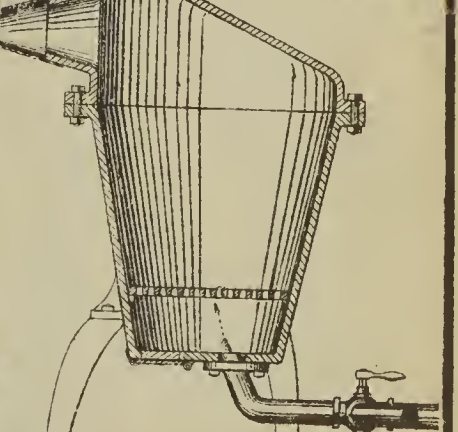


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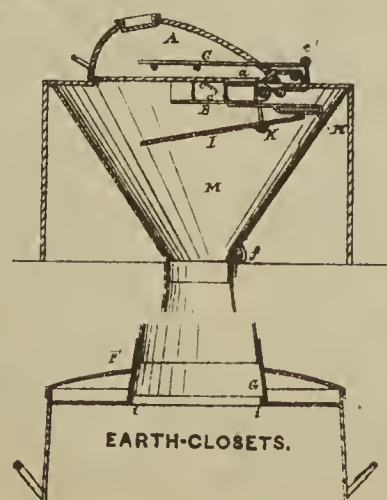


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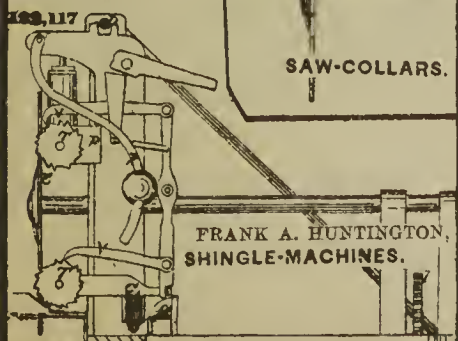
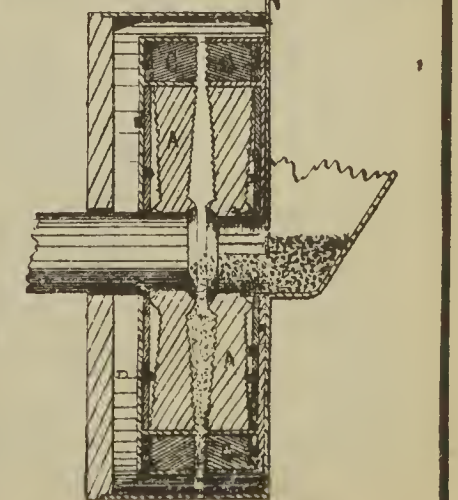
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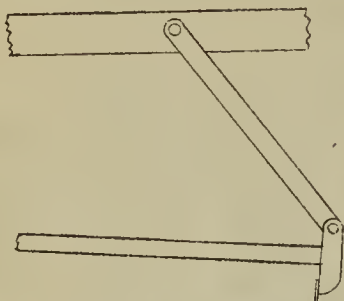


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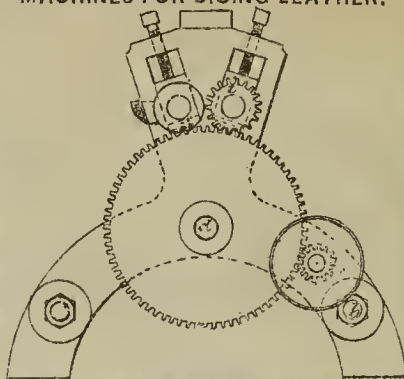
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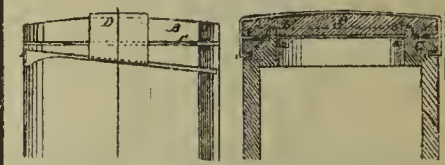
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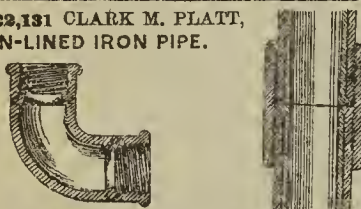
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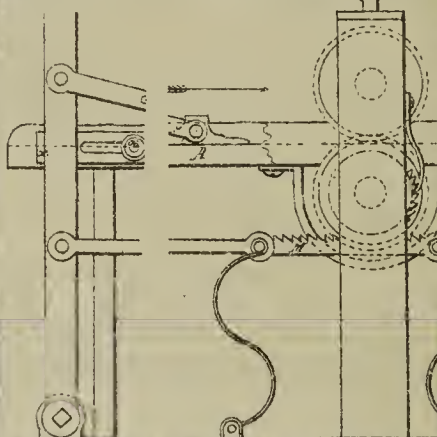
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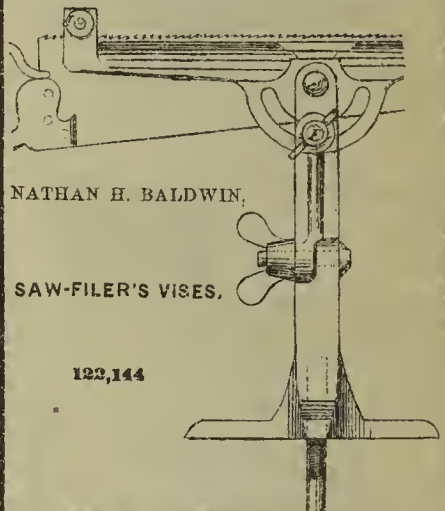
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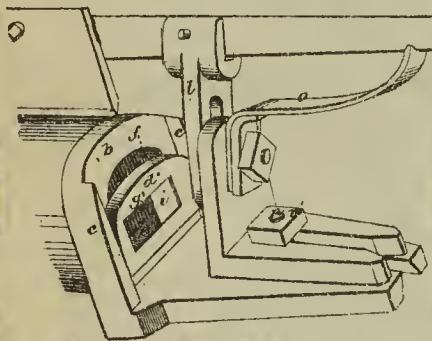
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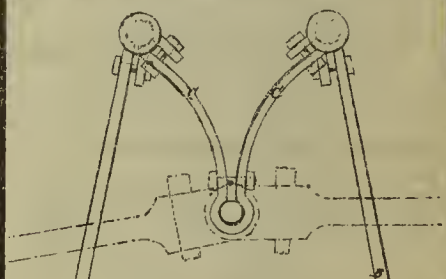
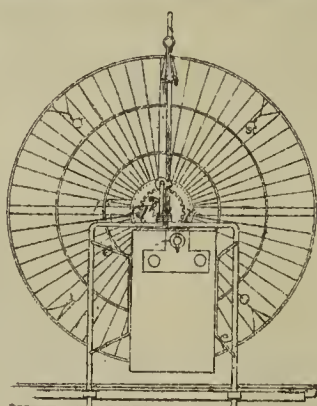


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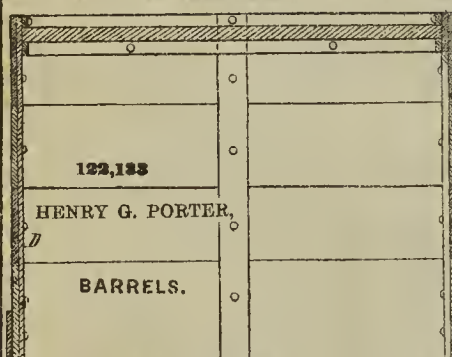


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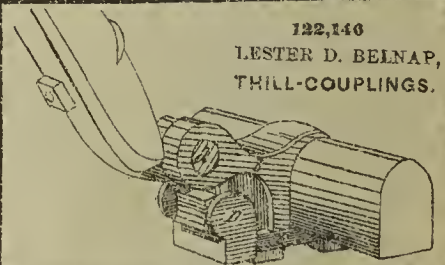
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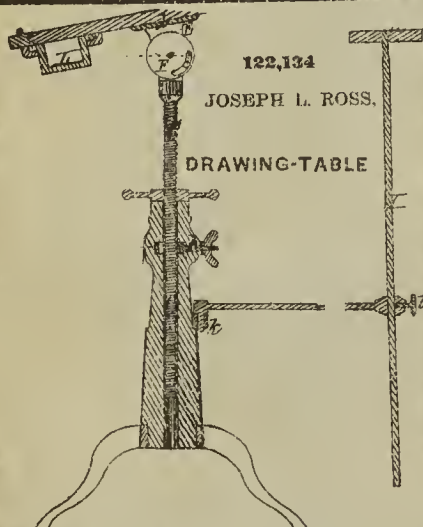
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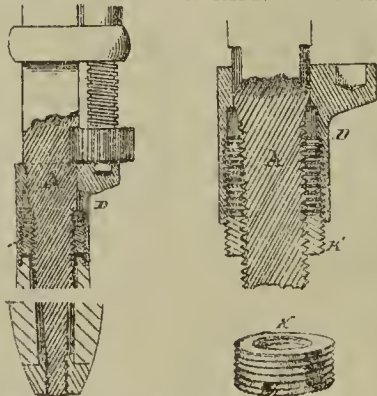
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122,139 GEORGE C. TAFT, WRENCHES.



122,140 DANIEL C. TUCK,
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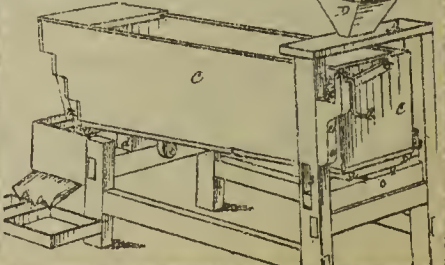


122,147 RALPH BOGLE,

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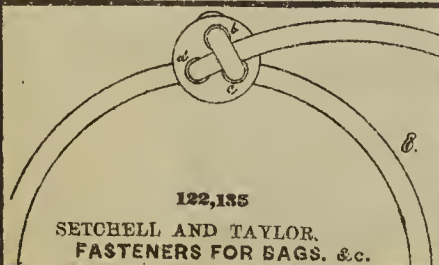


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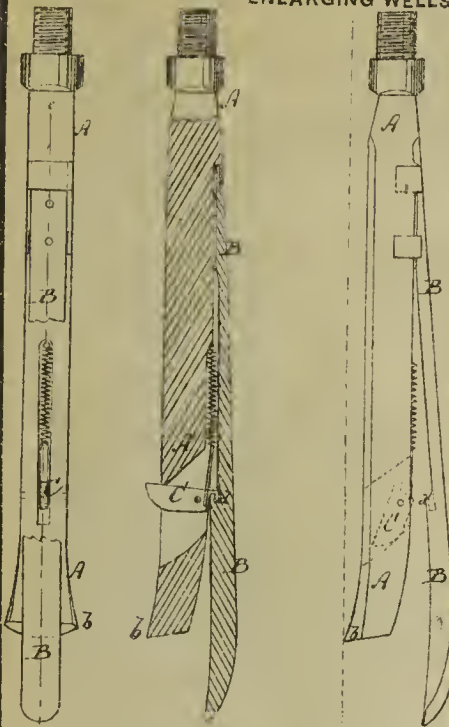
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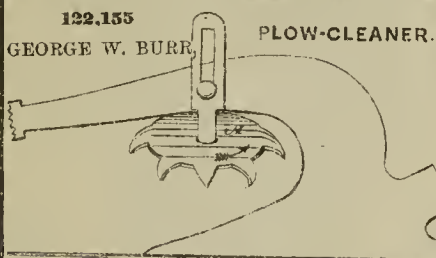
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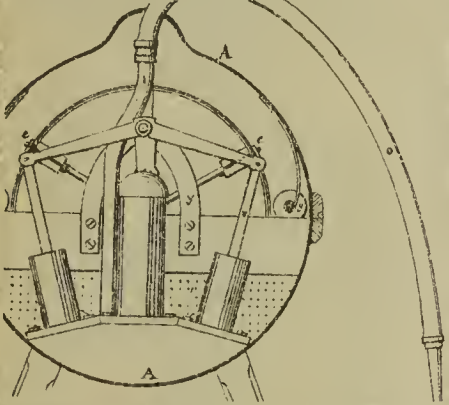


122,154 PERRY A. BURGESS.
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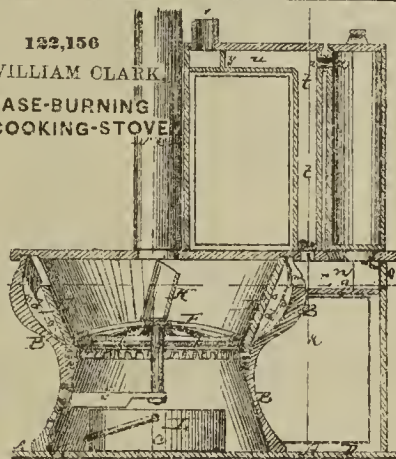


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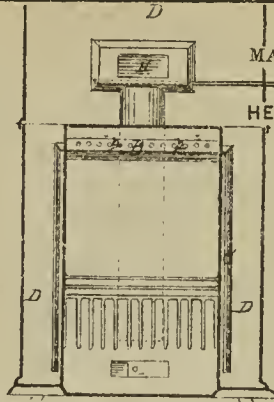
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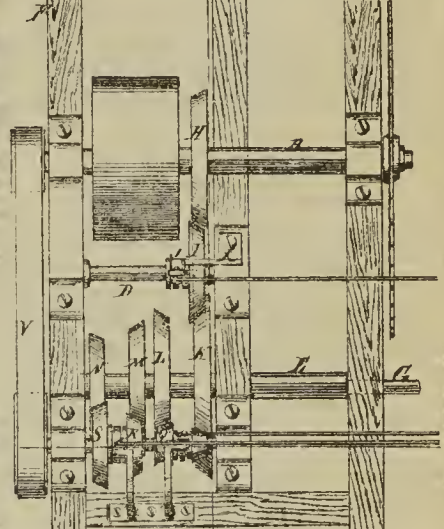
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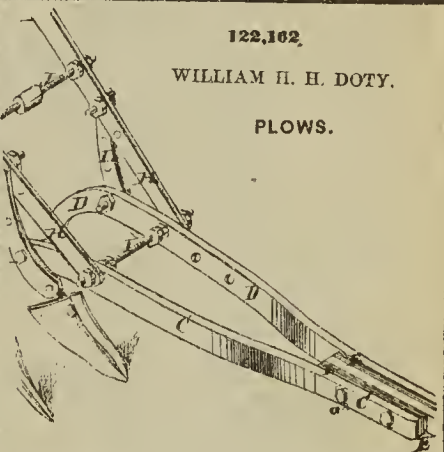
122,160 MARK A. CUSHING.
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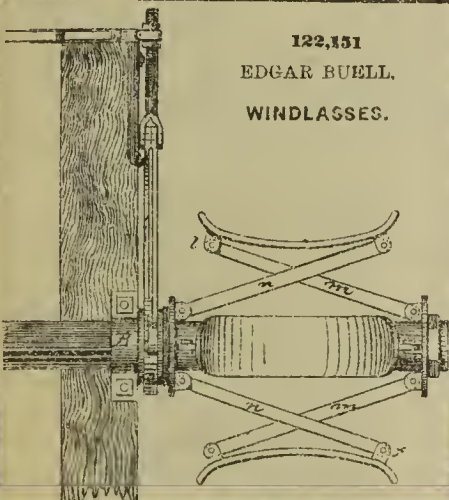
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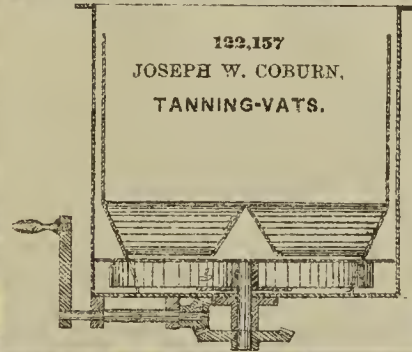
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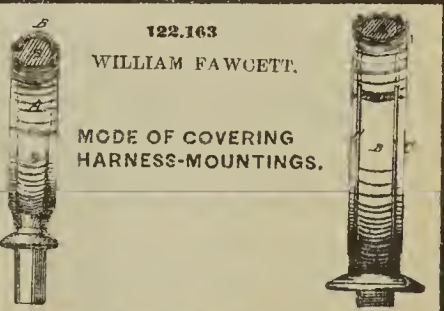
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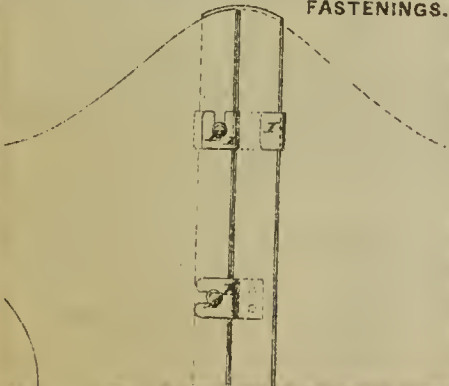
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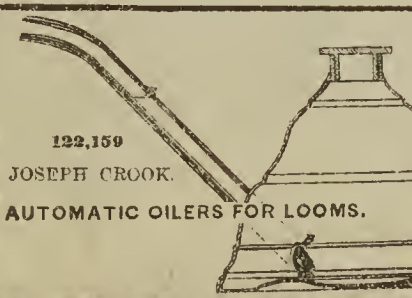
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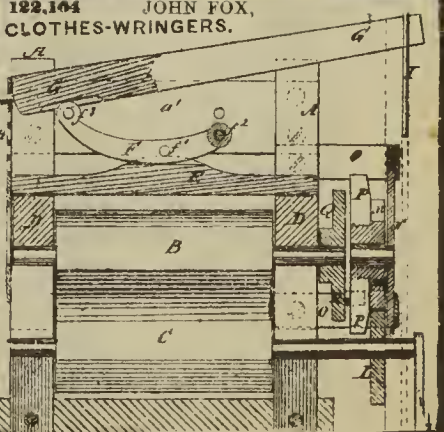
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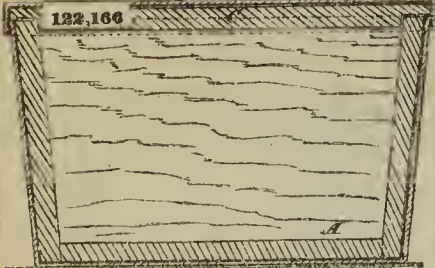
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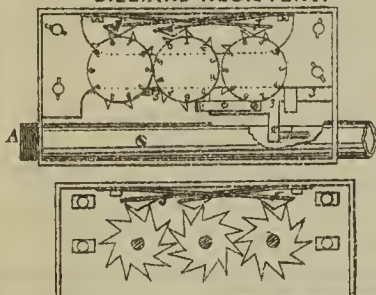
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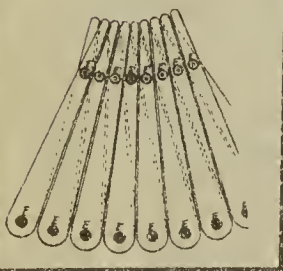
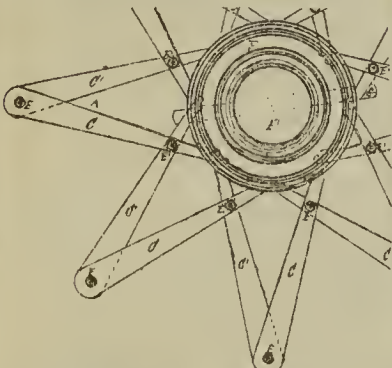
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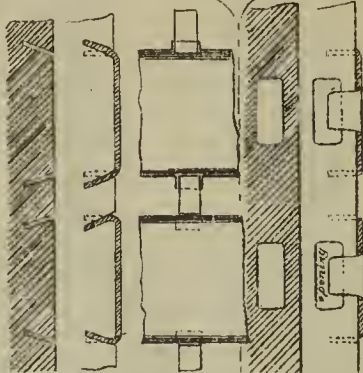
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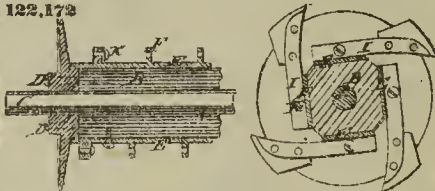
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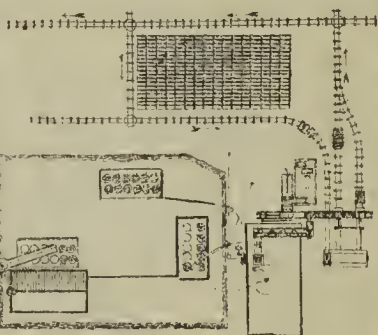
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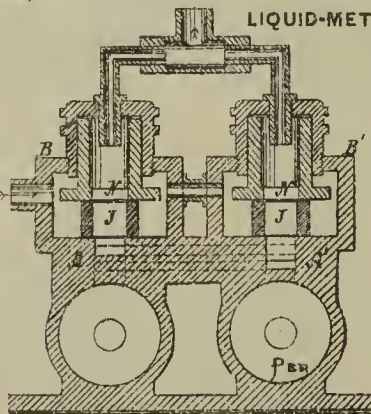
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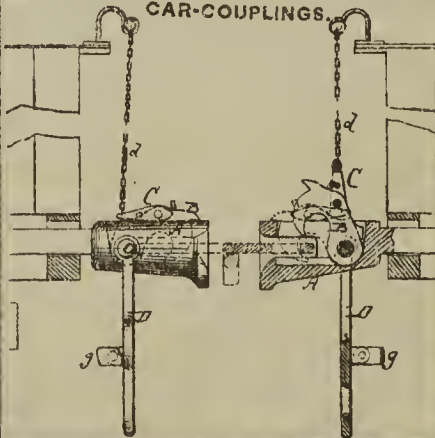
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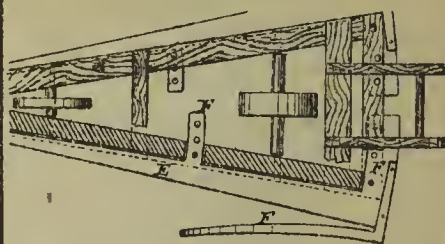
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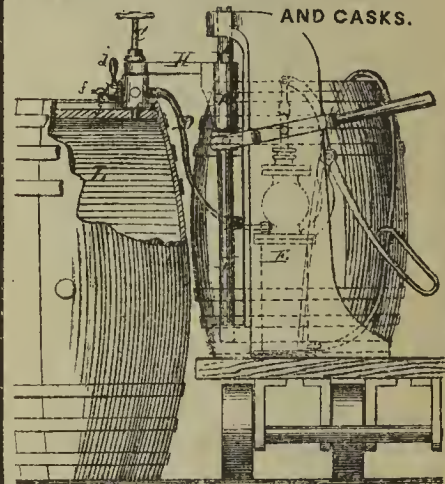
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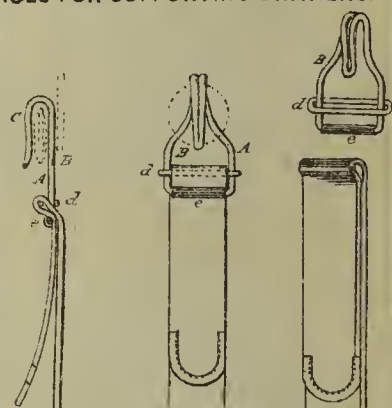
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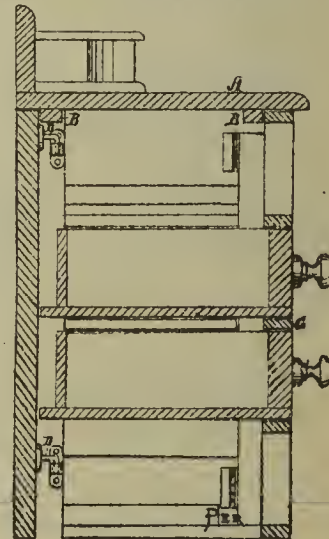
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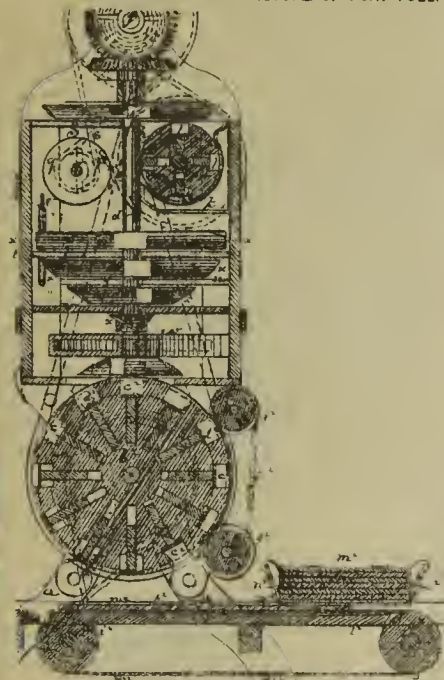


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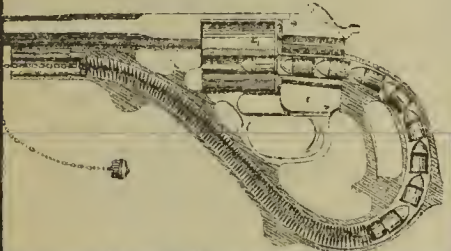
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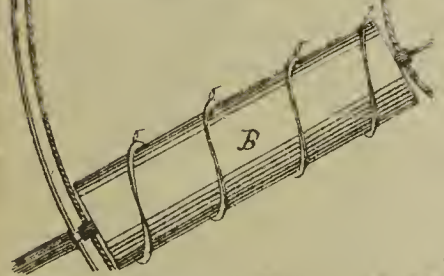
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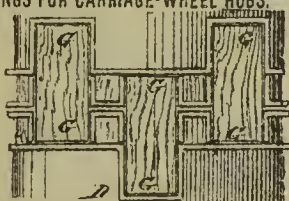
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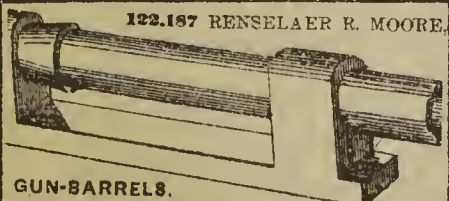
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122,186 MICHALES, JR., AND COMBS, BRUCHES.

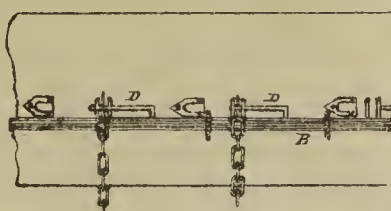


122,187 RENSELAER R. MOORE,

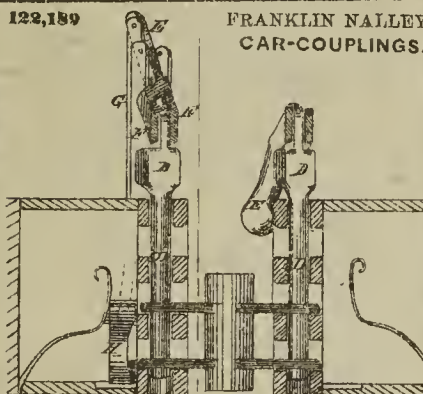


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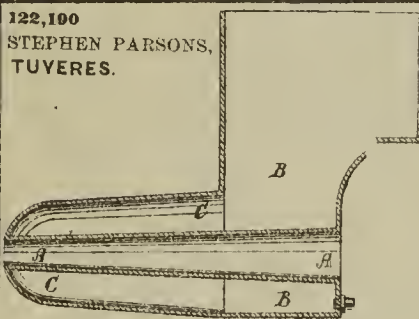
122,188 EDMUND B. MYERS, RELEASING DEVICES FOR STABLES.



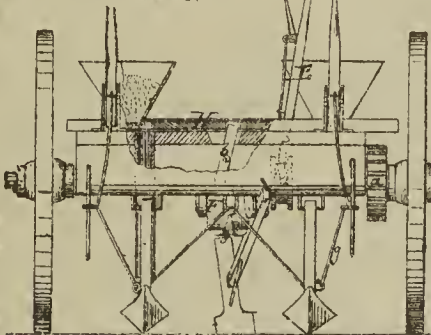
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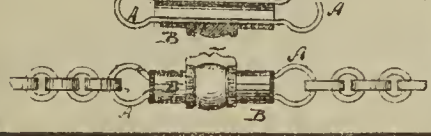
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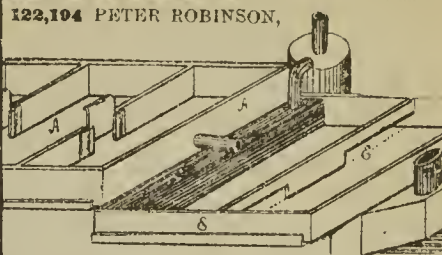


122,102 ROBERT JAMES POND, JEWELRY-FASTENINGS.



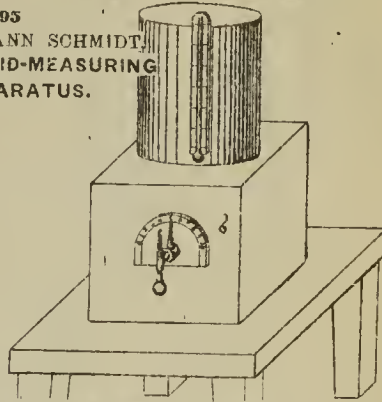
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122,104 PETER ROBINSON,

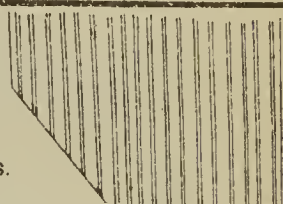


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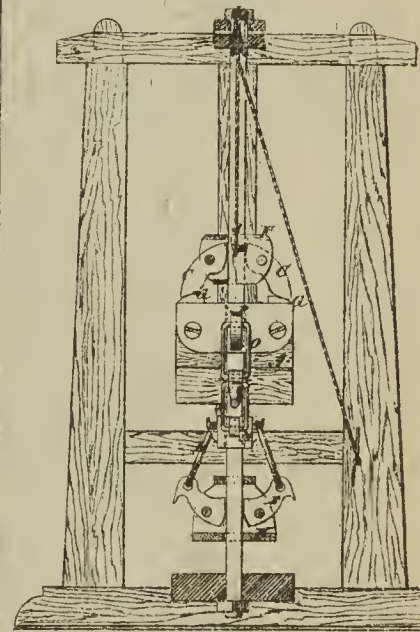
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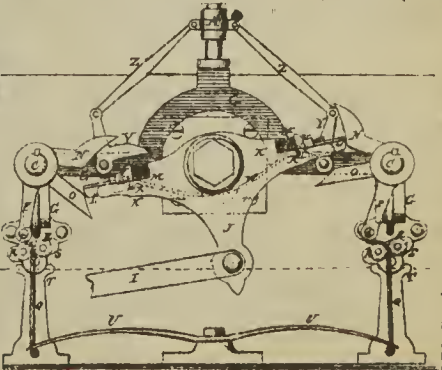
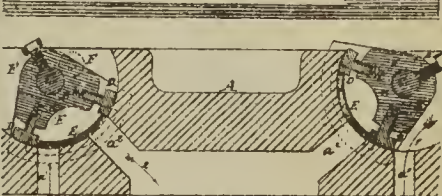
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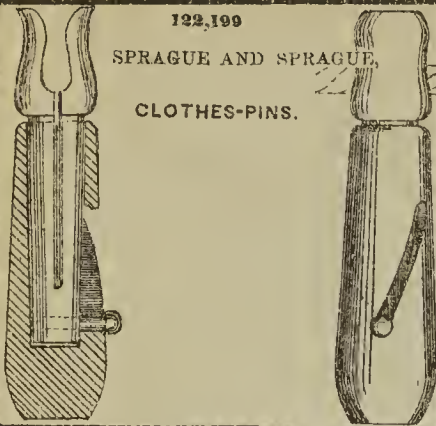
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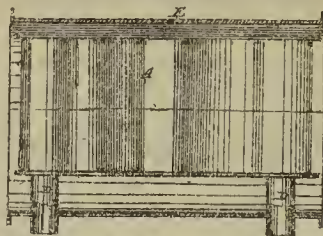
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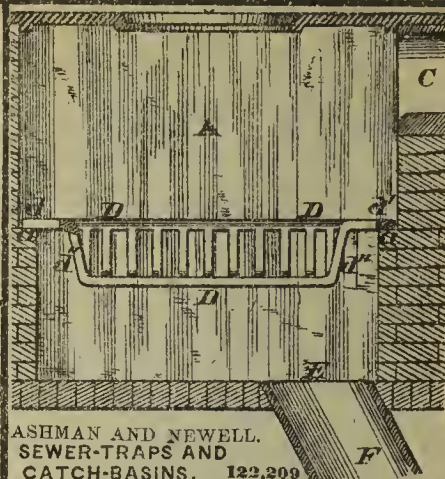
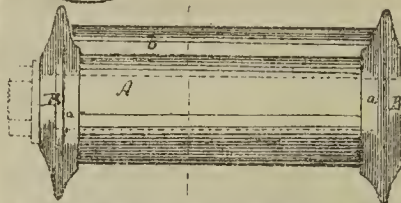
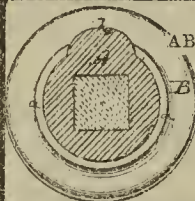
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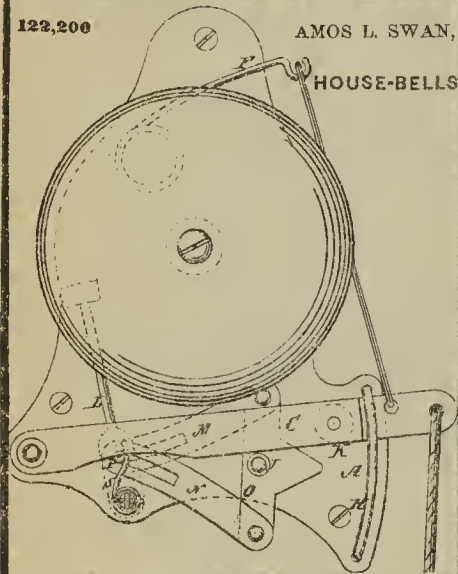
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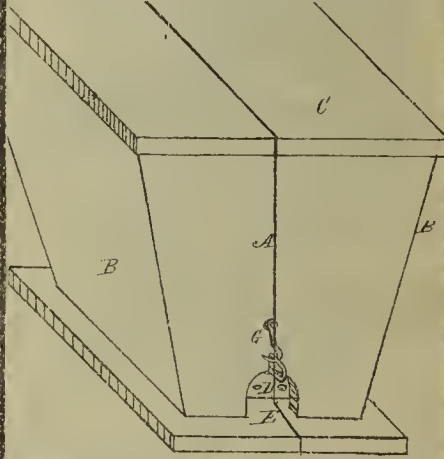
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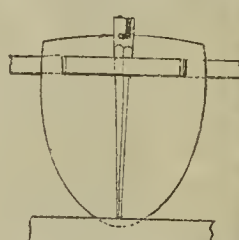
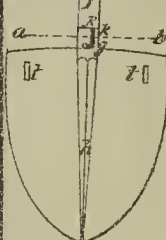
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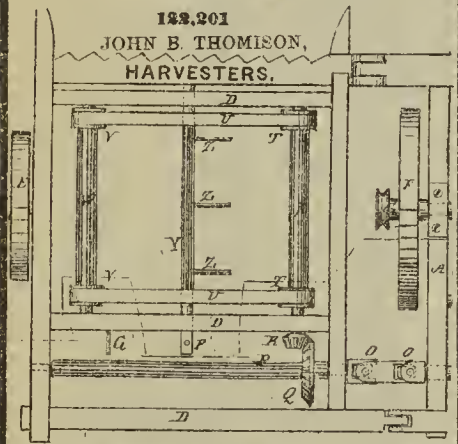
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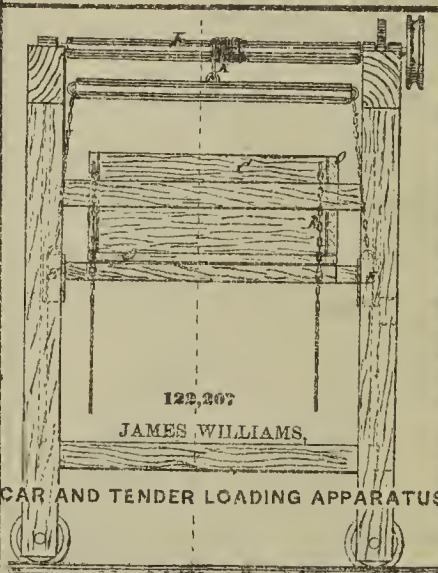
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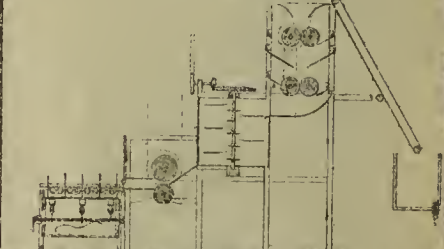
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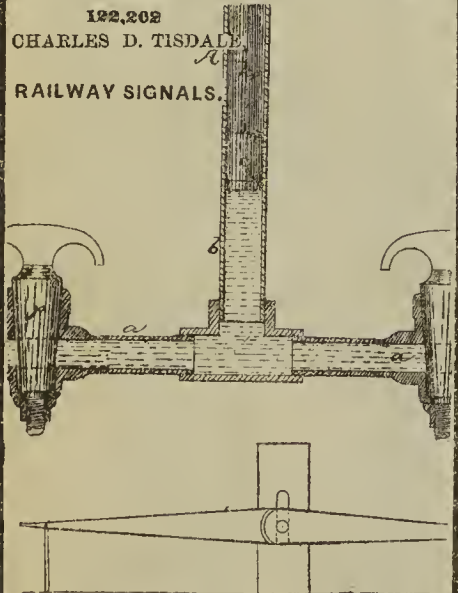
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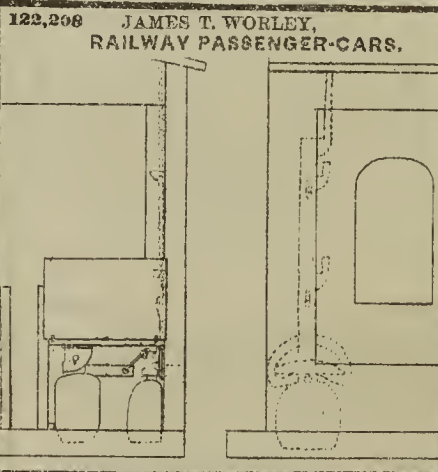
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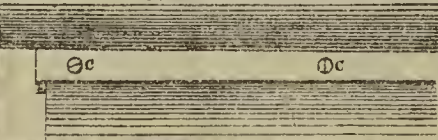


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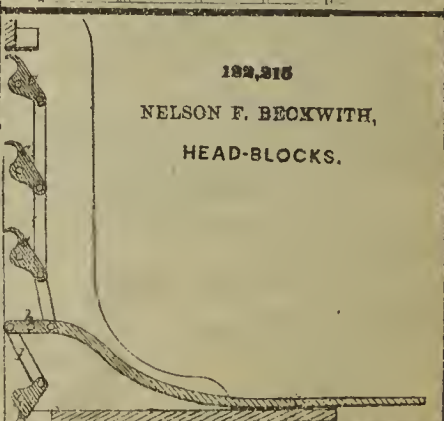
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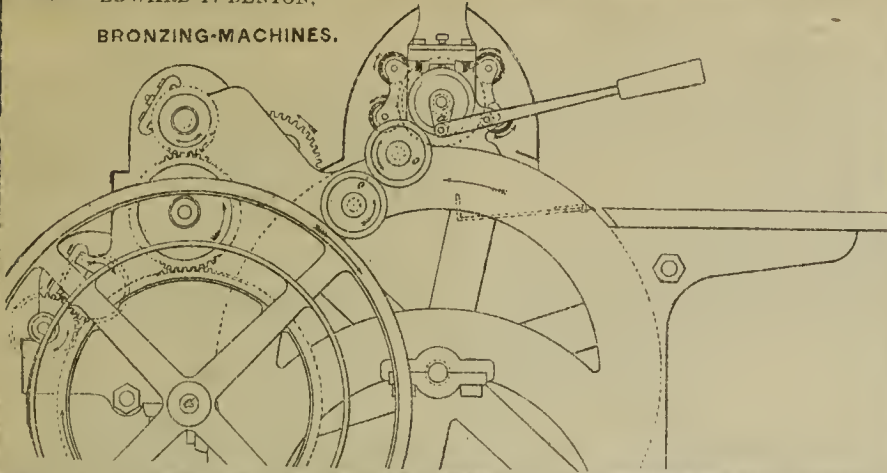
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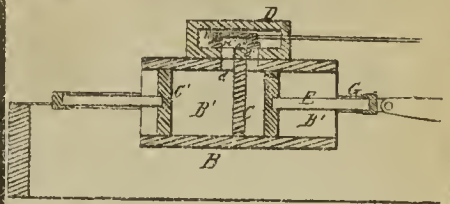
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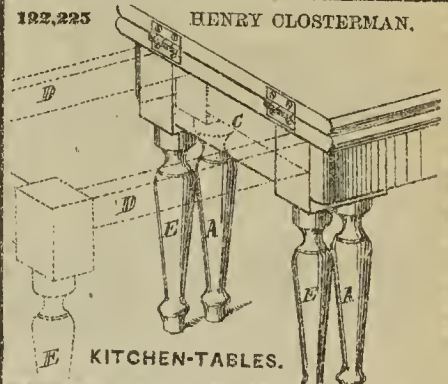
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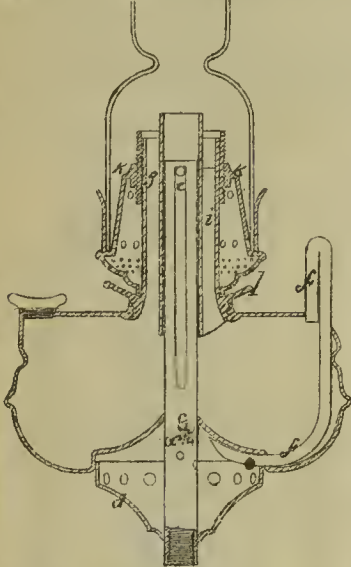


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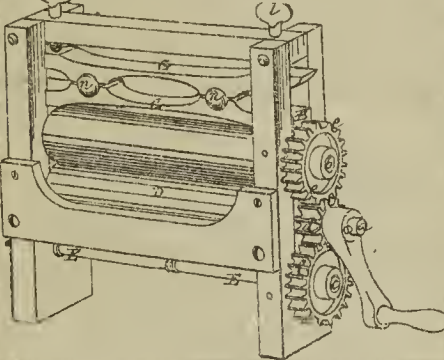


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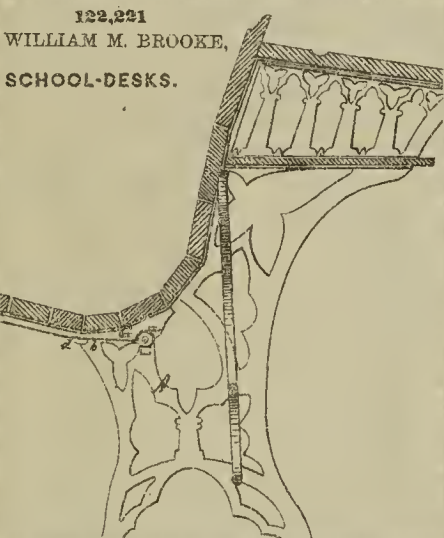
122,217 EMIL BOESCH, LAMPS.



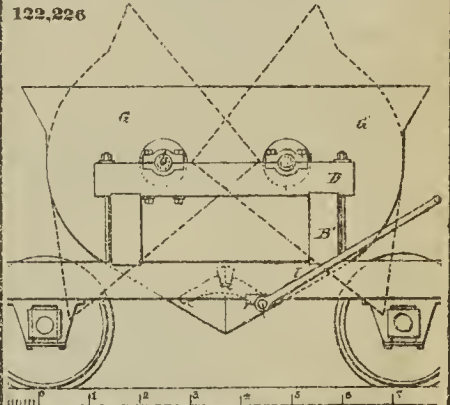
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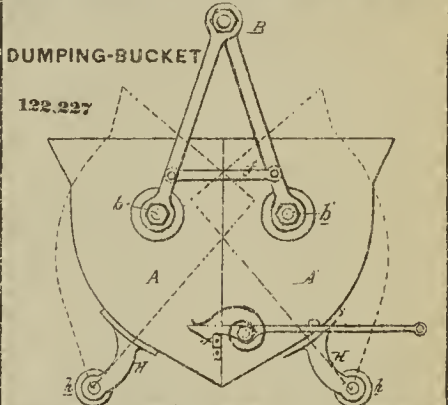
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FRANKLIN B. COLTON,

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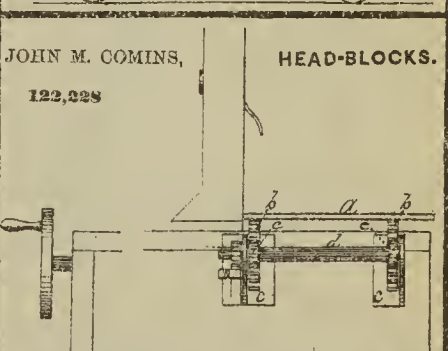
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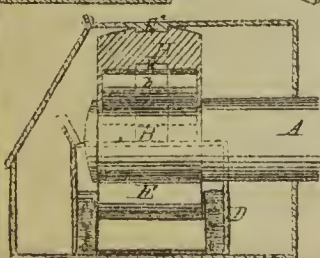
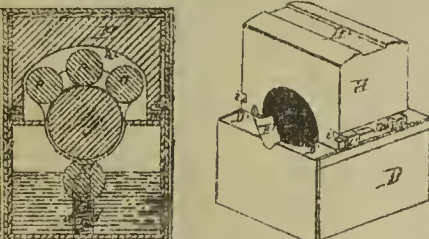
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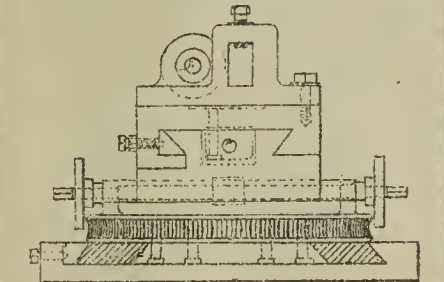
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122,219 RUSSELL BREWER,
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122,222 JOHN DICKINSON BRUNTON,
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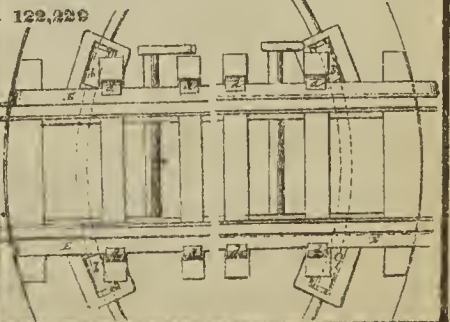
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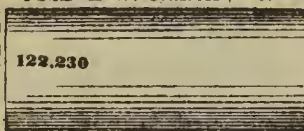
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WILLIAM S. COULTER, TURN-TABLES.

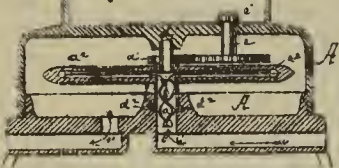


JOSEPH W. CREMIN, HOLLOW BEAMS

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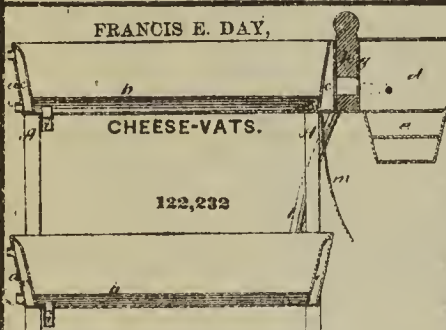
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JOSEPH W. CREMIN,
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FRANCIS E. DAY,

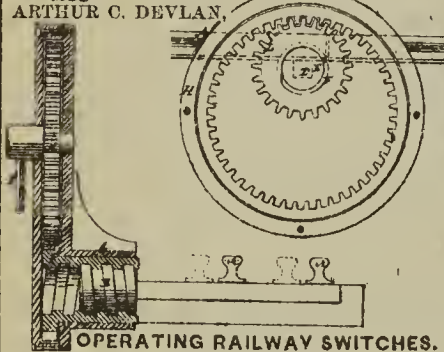
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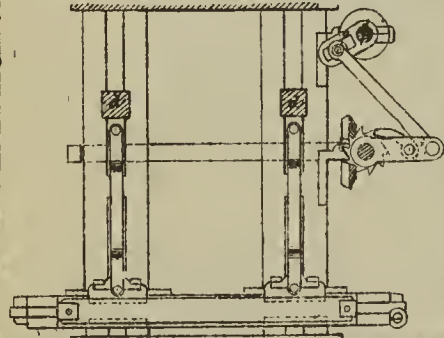


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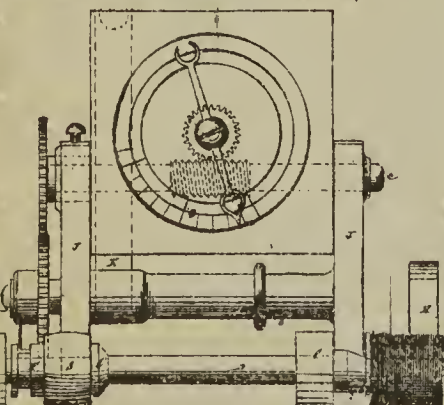
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STONE-SAWING MACHINES.WILLIAM T. DOLE,
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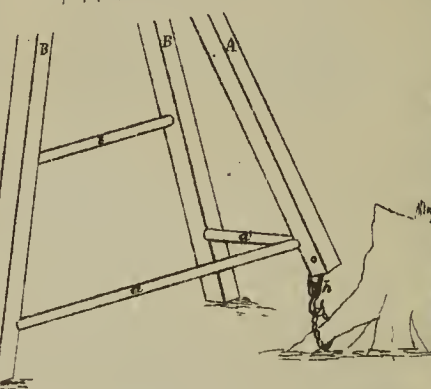
122,236 LEONARD F. DUNN

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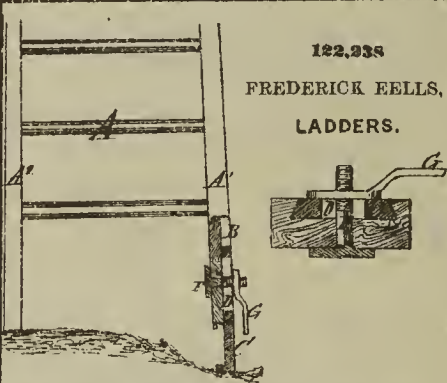
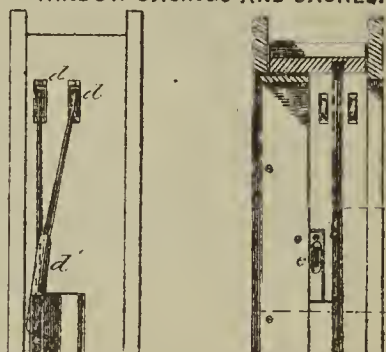
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GEORGE E. DYER,

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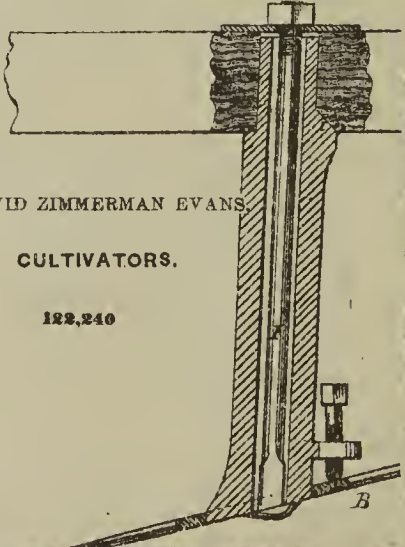
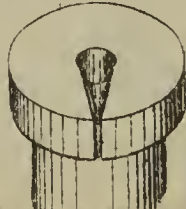
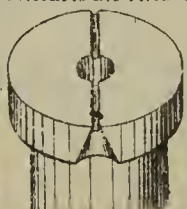
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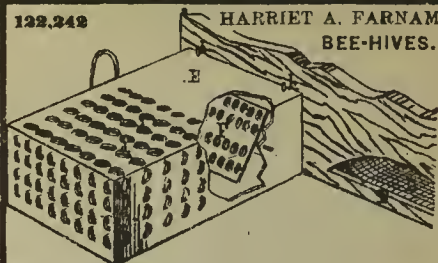
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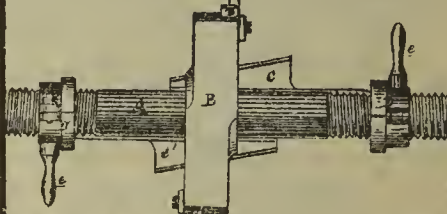
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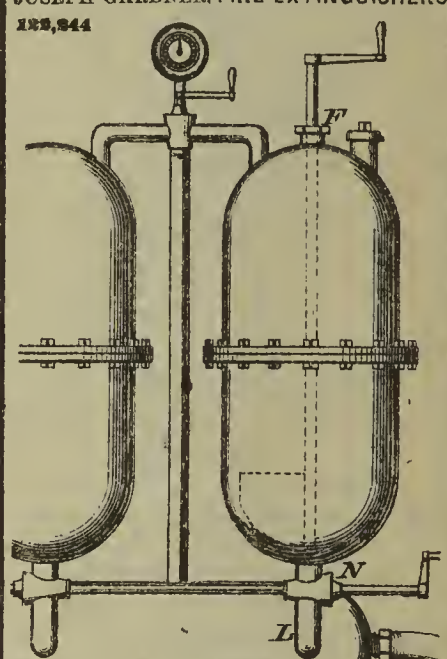
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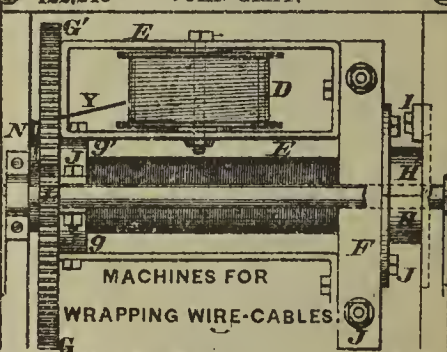


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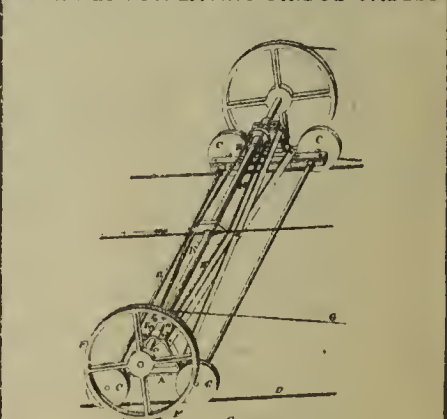
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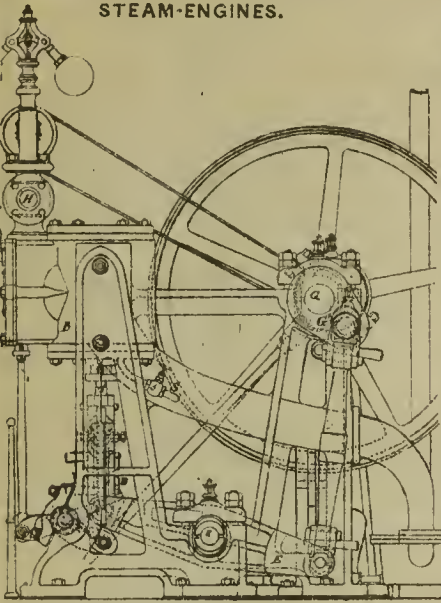
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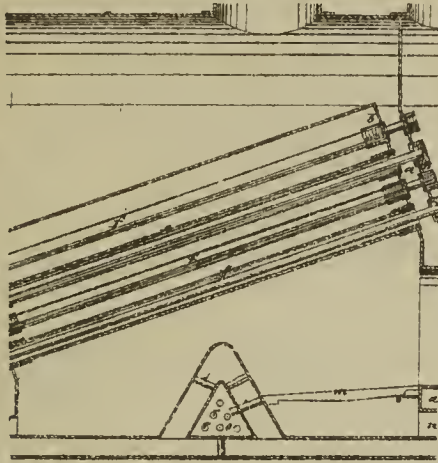
MACHINES FOR LAYING BRIDGE-CABLES



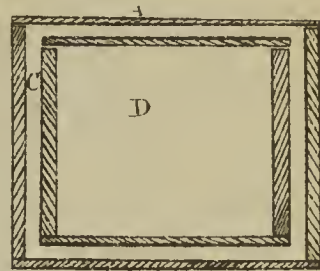
122,248 DARWIN A. GREENE,
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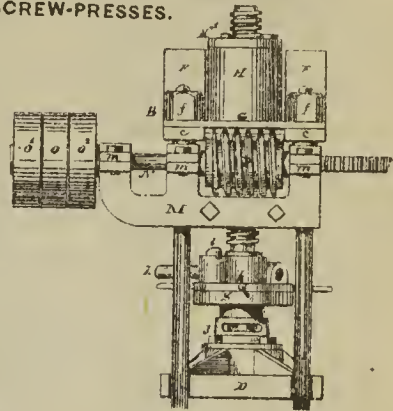
122,252 FRANÇOIS R. HULBERT,
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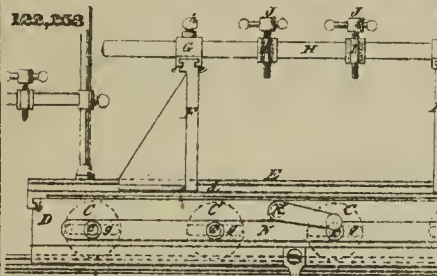
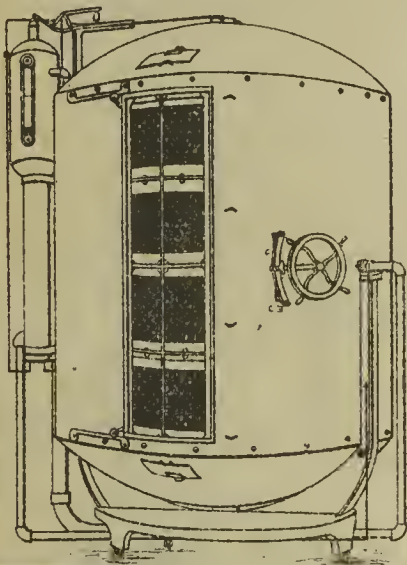
122,258 JOHN KNAPP,
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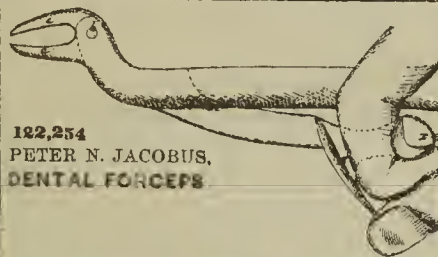
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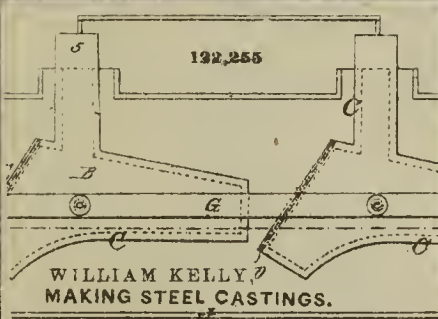
122,249 HENRY J. HAIGHT,
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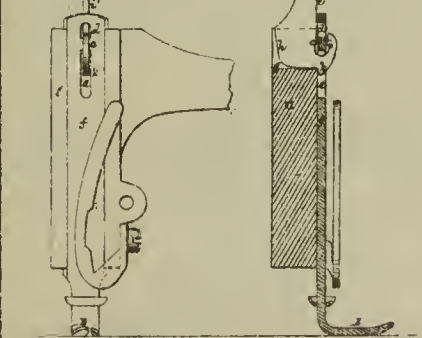


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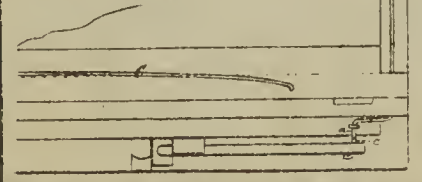


WILLIAM KELLY,
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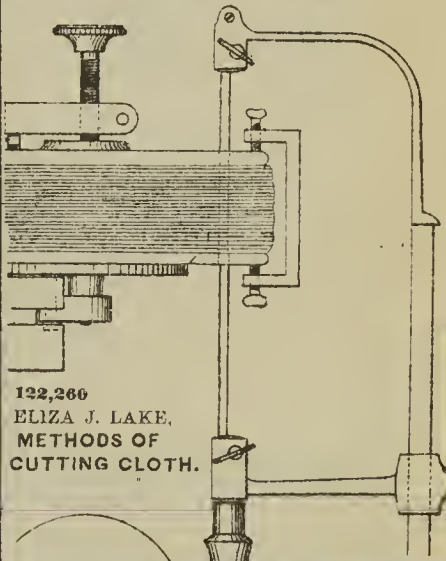
122,256 THEODORE W. KENNEDY,
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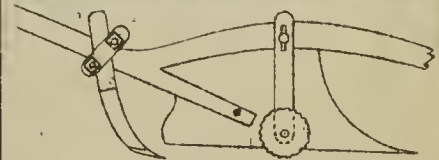
122,257 MICHAEL J. KERIGAN,
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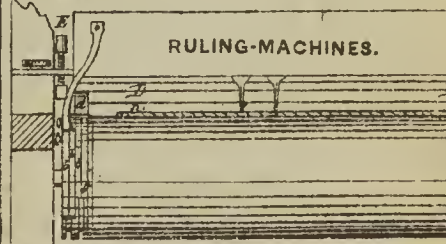


122,261 DANIEL MARTIN LAMB, PLOWS.

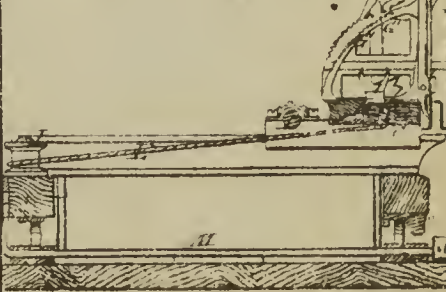


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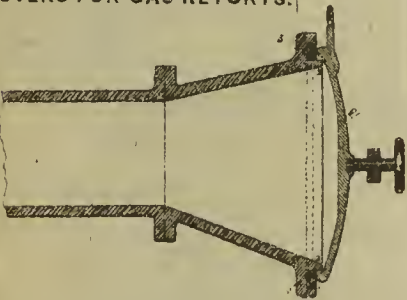
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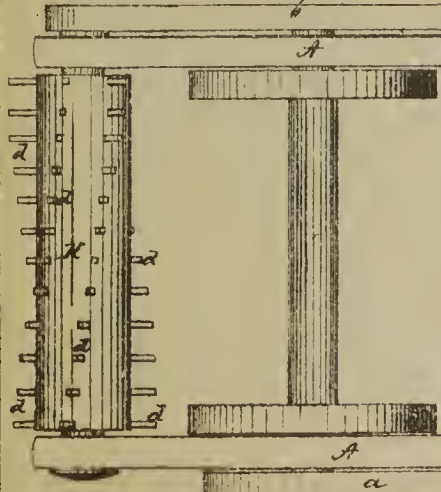
122,263 DENNIS LANE,
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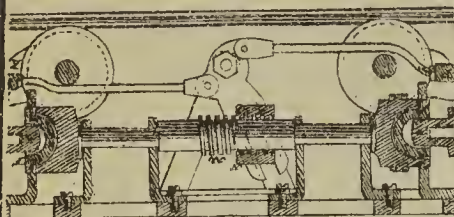
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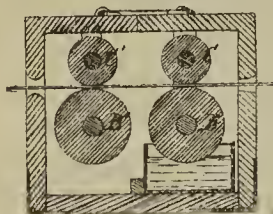
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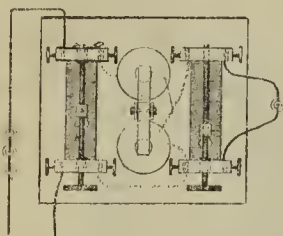
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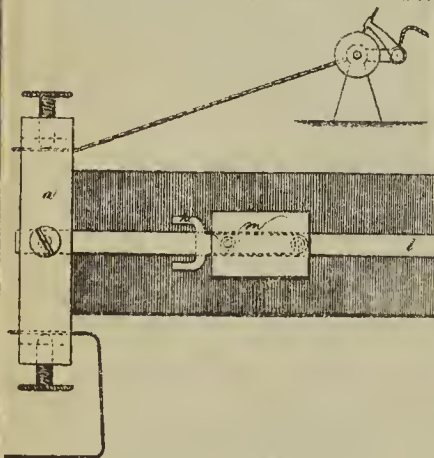
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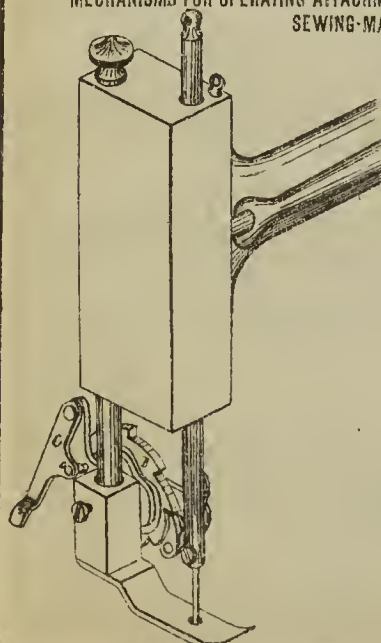
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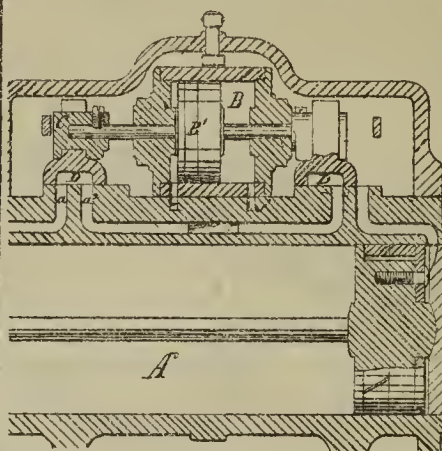
122,267 GEORGE LITTLE,
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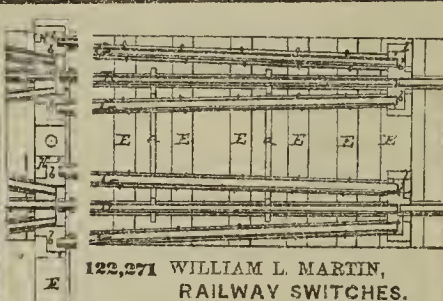
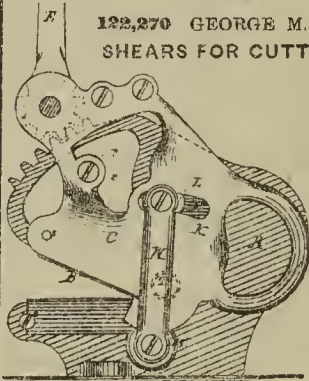
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122,269 JOHN C. MACDONALD,
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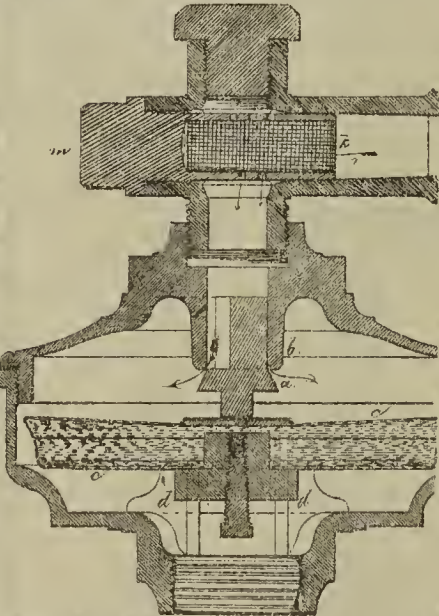


122,270 GEORGE M. MARSHALL
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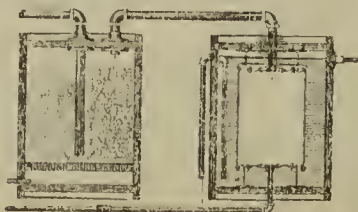


122,271 WILLIAM L. MARTIN,
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122,272 HIRAM S. MAXIM, STEAM-TRAPS

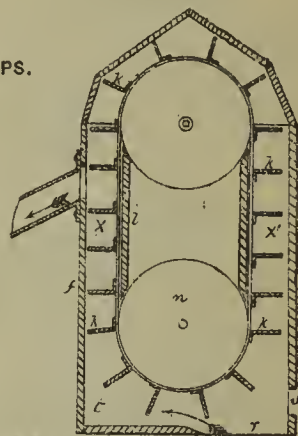


122,273 WILLIAM H. MCNEILL DEODORIZING
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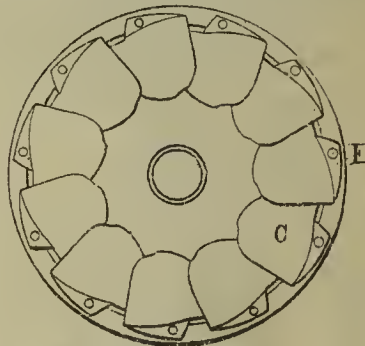


122,274 MURDOCH AND BORLAND.

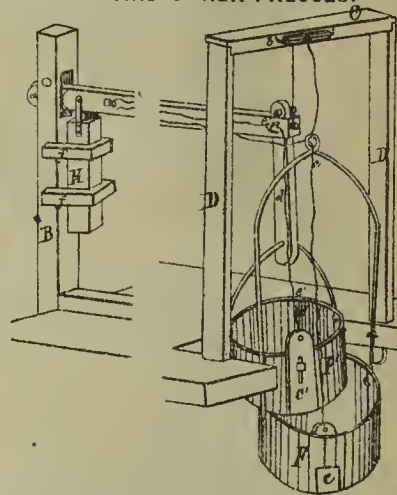
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122,275 OBENCHAIN AND OBENCHAIN,
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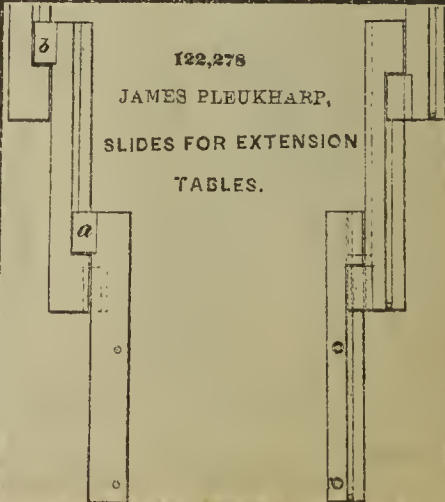
122,276 NATHANIEL M. PEPPER,
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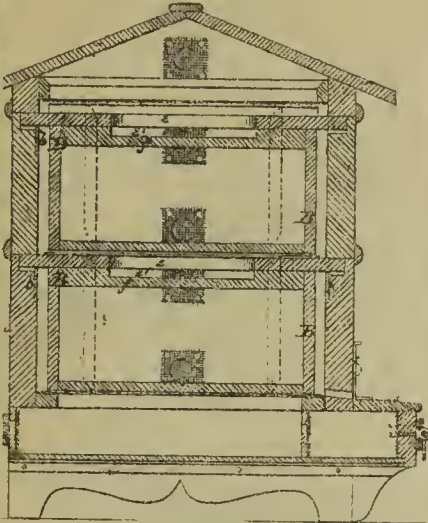


122,277 DABNEY N. M. PEREGOY,
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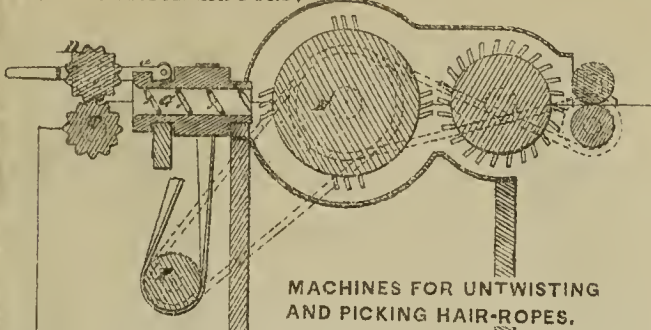
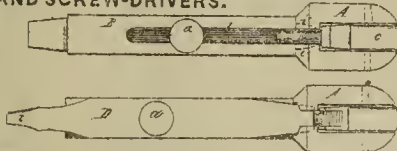


122,278 JAMES PLEUKHARP,
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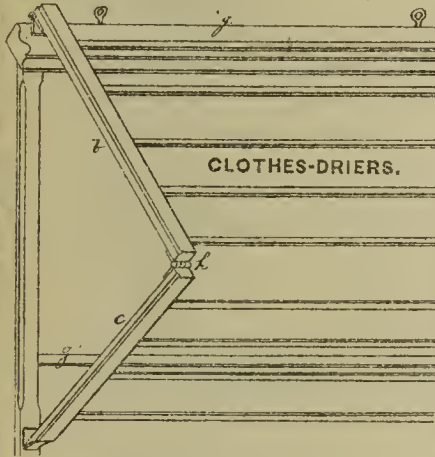
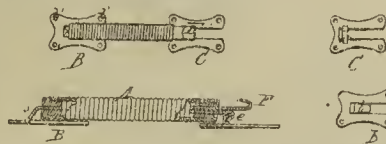
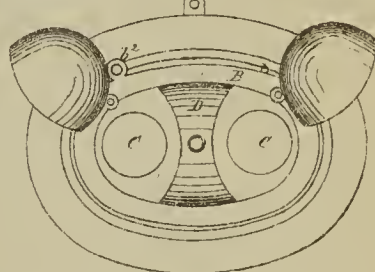


122,279 JAMES S. PROCTER,
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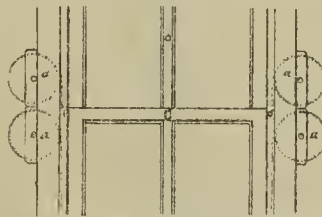
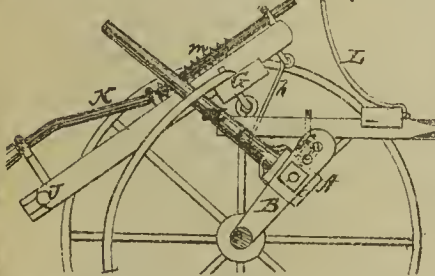
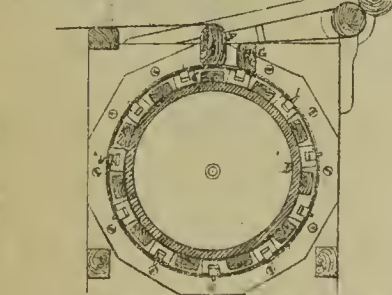
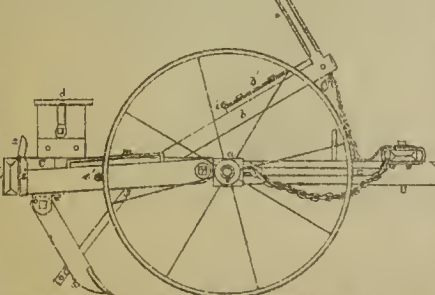
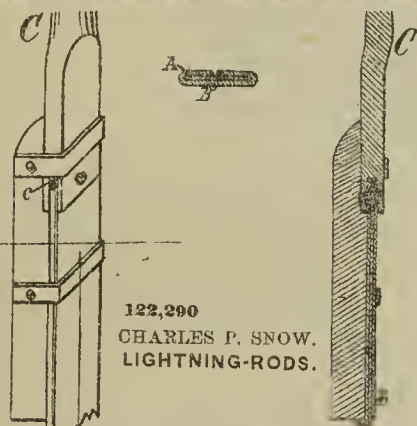
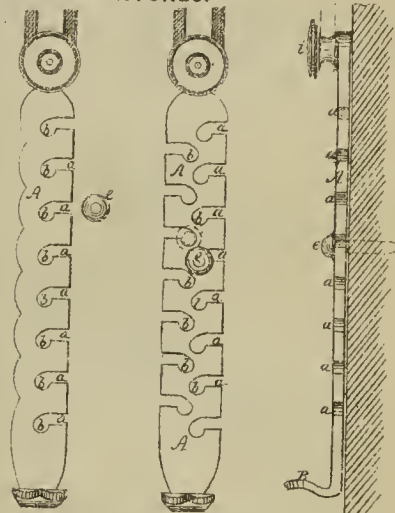
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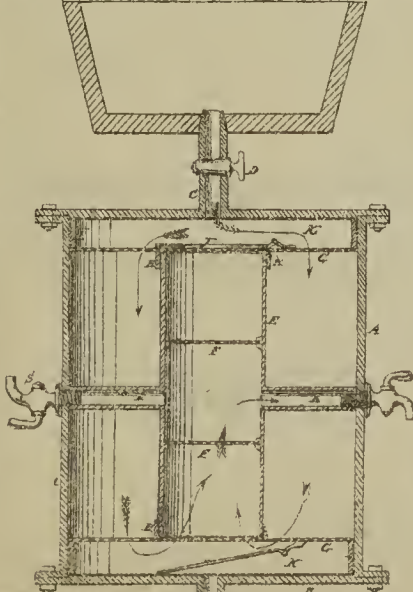
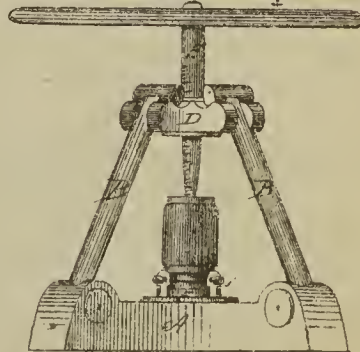
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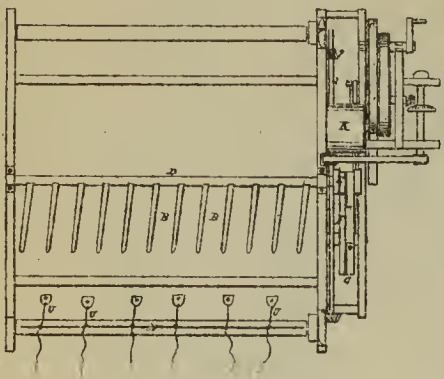
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APPARATUS FOR SETTING
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122,296 EDWARD WESTERMAYER,

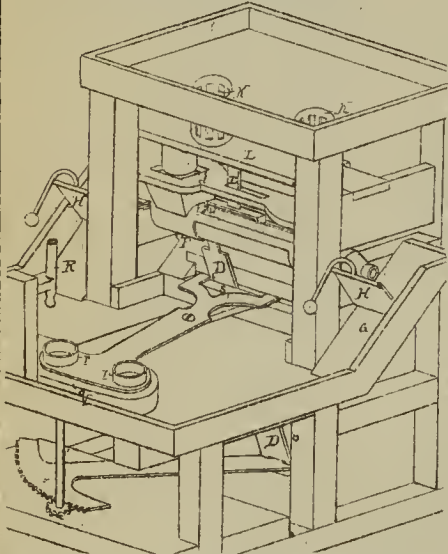


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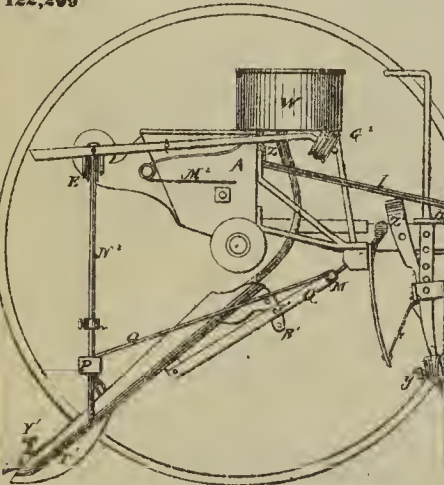
122,297 WHEELER AND WHEELER,
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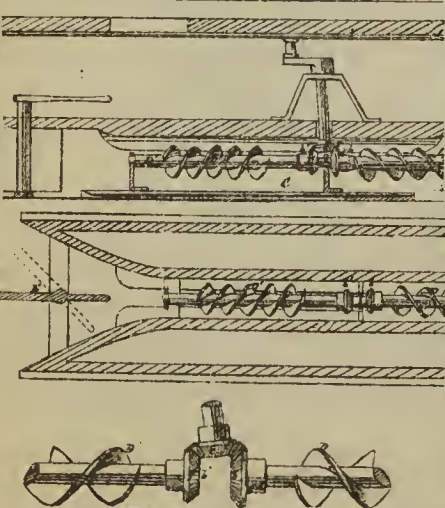
122,298 LOREN J. WICKS,
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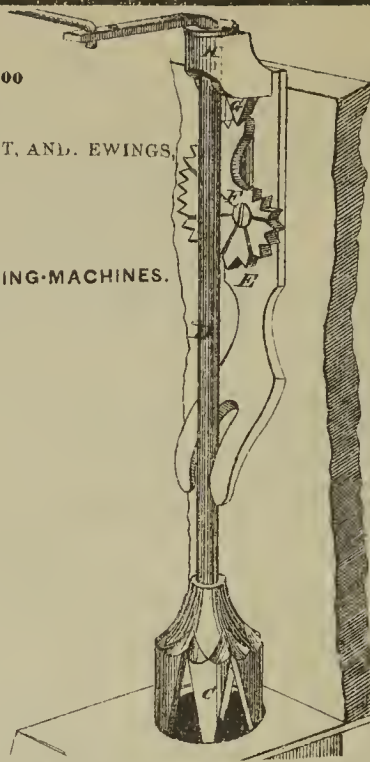
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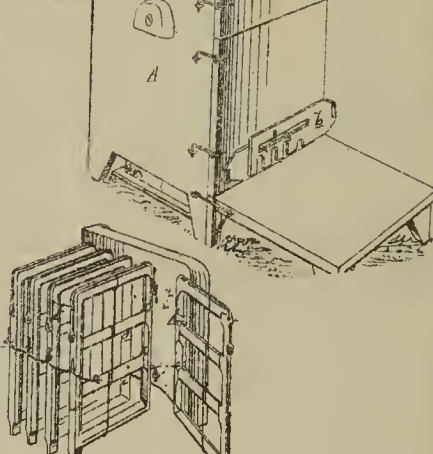
SEEDING-MACHINES.



ALONZO E. WOODHULL,

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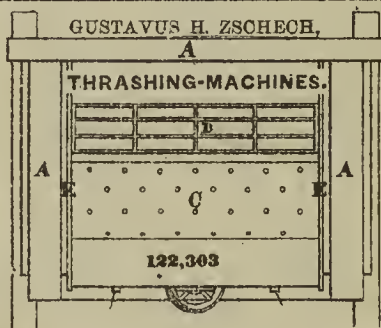
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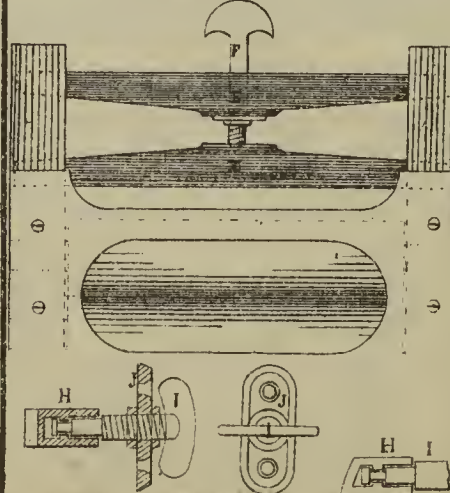
GUSTAVUS H. ZSCHECH,

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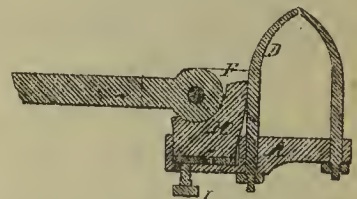
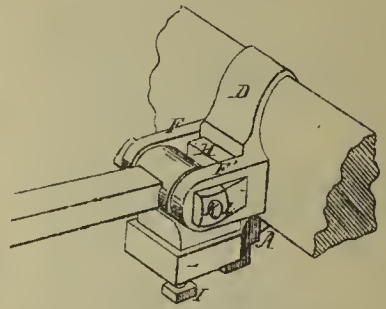
4,680 ROBERT B. HUGUNIN, ROLLERS AND
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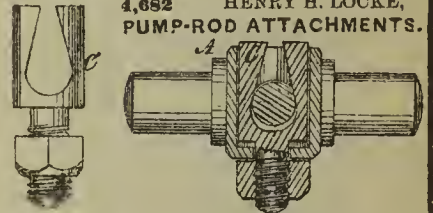
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DANIEL A. JOHNSON,

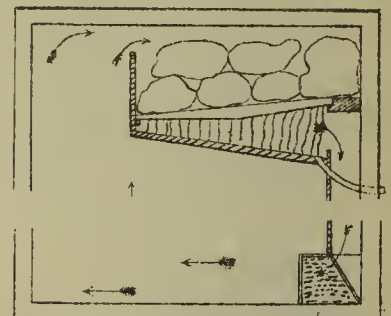
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4,682 HENRY H. LOCKE,
PUMP-ROD ATTACHMENTS.



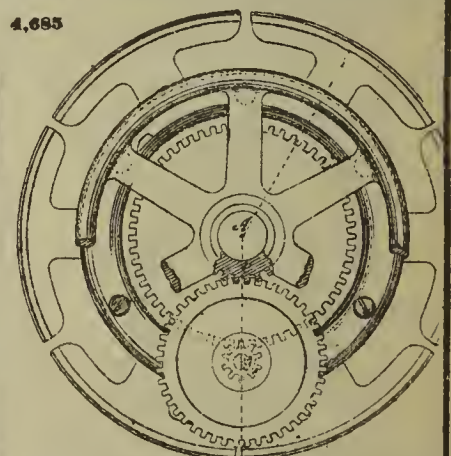
4,683

AZEL S. LYMAN,
COOLING AND VENTILATING ROOMS.

4,684 WILLIAM MAGBE, COPPER ALLOYS

THOMAS H. SAVERY EXPANDING PULLEY

4,685



4,686 JAMES HENRY BURTON,
MANUFACTURE OF GUN-BARRELS.

